

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1600 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

601' S of NW/4 and 976' FWL of Sec.

At proposed prod. zone

2039' FSL

NW SW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

30 miles Southeast from Evanston

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 976'

(Also to nearest drlg. unit line, if any) 344'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

12,000'

16. NO. OF ACRES IN LEASE

1385.34

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8411 GR

22. APPROX. DATE WORK WILL START*

December 1, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.5	200'	To surface
12 1/4	9 5/8	40	3500'	To surface
8 3/4	5 1/2"	20	12000'	500 sx or sufficient vol- ume to cover any produc- tive hydrocarbon intervals

Diverter BOP will be installed on 13 3/8" csg.
5000 psi BOPs will be installed on 9 5/8" csg.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 11-5-80

BY: M. J. Minder

RECEIVED

NOV 3 1980

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Melba Kriplinger

TITLE Proration Specialist

DATE 10/30/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

P.O. BOX 654
GREEN RIVER, WYOMING
82935

TELEPHONE: (307) 875-3638

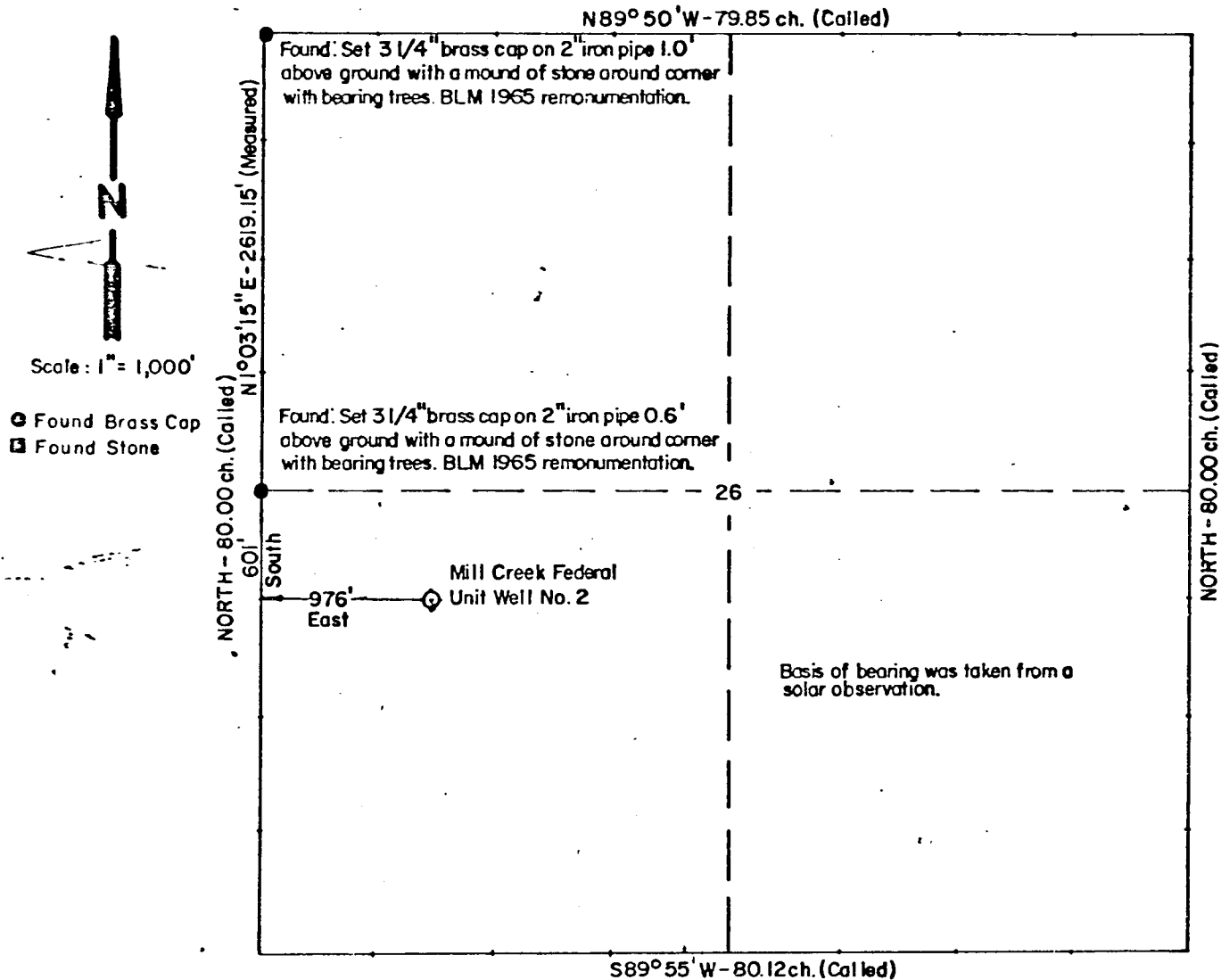
WILLIAM H. SMITH & ASSOCIATES
SURVEYING CONSULTANTS

P.O. BOX 1300
MOAB, UTAH
84532

TELEPHONE: (801) 259-6861

T 3 N

R 10 E



I, William H. Smith of Green River, Wyoming hereby certify that in accordance with a request from Wendell Westerfeld of Midland, Texas for Exxon Company U.S.A. made a survey on the 24th day of October 1980 for location and elevation of the Mill Creek Federal Unit Well No. 2. As shown on the above map, the wellsite is in the NW/4, SW/4 of Section 26, Township 3 North, Range 10 East of the Salt Lake Base B Meridian, Summit County, State of Utah. Elevation is 8411 feet ungraded ground. Datum spot elevation at the northwest corner of Section 4, T 2 N, R 10 E as shown on USGS 7 1/2" topo map "Deadman Mountain, Utah & Wyoming."

Reference Point	North	250'	5/8" x 24" rebar with lath & guard stake (Typical)	Elevation top rebar = 8398.6'
Reference Point	South	275'	(Typical)	Elevation top rebar = 8428.6'
Reference Point	East	250'	(Typical)	Elevation top rebar = 8425.5'
Reference Point	West	200'	(Typical)	Elevation top rebar = 8419.0'

Job No. 147-80

RMC

William H. Smith
UTAH R.L.S. NO. 2764

Exxon Corporation #2 Mill Creek Fed. Unit
Section 26, T3N, R10E, Summit County, Utah
Federal Lease No. U-29708

1. The geologic name of the surface formation is: Wasatch

2. The estimated tops of important geologic markers are:

Wasatch	Surface
Twin Creek	3,840'
Nugget	4,740'
Phosphoria	8,220'
Weber	8,800'
Madison	10,100'
Threeforks	11,500'
Mesa Verde	12,000'

3. The estimated depths at which anticipated oil, water, gas, or other mineral bearing formations are expected to be encountered are:

Wasatch	Surface	---
Twin Creek	3,840'	Tight Gas/Water
Nugget	4,740'	Water
Phosphoria	8,220'	Tight Gas/Water
Weber	8,800'	Tight Gas/Water
Madison	10,100'	Water
Threeforks	11,500'	Oil
Mesa Verde	12,000'	Tight Gas/Water

4. Proposed casing program:

<u>String</u>	<u>Size/Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Structural	20"/94#/H-40	New	0-40
Conductor	13 3/8"/54.5#/K-55	New	0-200
Surface	9 5/8"/40/N-80	New	0-3500
Production	5 1/2"/20#/L-80	New	0-12000

5. Minimum specifications for pressure control:

A. Casinghead equipment:

Lowermost head: 9 5/8" x 10" 3000 psi.

Intermediate head: 10" 3000 psi x 6" 5000 psi H₂S Trim

Tubing head: 6" 5000 psi x 3" 5000 psi H₂S Trim

Tree: 3" 5000 psi H₂S Trim

B. Blowout Preventer: Attached drawing Type VI will be installed on 13 3/8" csg.
Attached drawing Type II-C will be installed on 9 5/8" csg.

C. BOP Control Unit: Unit will be hydraulically operated and have a control station for each preventer. It is to be located 75 feet from the wellhead.

D. Testing: When installed, the type II-C stack will be tested at 300 psi and 3000 psi. At approximately one week intervals the stack will be tested to 70% of its working pressure. An operational test of the annular, pipe rams and the blind rams will be performed on each round trip (but not more than once each day).

6. Type and anticipated characteristics of drilling fluid:

<u>Depth Interval (FT)</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Vis Sec/Qt</u>	<u>PV cp</u>	<u>pH</u>
0-200	Clear water	8.3-8.8	20-30	5-10	7-9
200-3500	FWM	8.8-8.9	30-40	8-15	9-10
3500-TD	FWM	8.9-9.1	40-50	8-15	9-10

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. Not less than 200 barrels of mud will be in surface mud pits and at least 200 sacks of barite will be stocked on location for well control problems.

7. Auxiliary Equipment:

A. Kelly Cocks: Upper and lower installed on kelly.

B. Safety Valve: Full opening ball type to fit each type and size of drill pipe in use. These will be available on the rig floor in the open position for stabbing into drill pipe when kelly is not in string.

C. Pit volume totalizer to monitor mud pits.

D. Trip tank to keep hole full of fluid and monitor hole behavior on trips.

E. Float will not be run at the bit.

8. The testing and logging program to be followed:

Drill Stem Tests (based on shows) - one each is planned in the Twin Creek, Nugget, Phosphoria, Weber, Madison, and Threeforks.

Cores - none are planned unless DST's are prohibited.

Logging Program - the Density, Neutron, Sonic, Dual Induction and Dipmeter from 3500' to TD.

Stimulation - At this time stimulation plans have not been worked out to the point that volumes and types of fluid or positioning of equipment can be given. As necessary this information will be supplied on Sundry Notices.

9. No H₂S was seen in Mill Creek I and none has been reported in area. No H₂S is expected in Mill Creek II.

10. Drilling operations are planned to begin January 1, 1981, and drilling operations are expected to end on or about June 1, 1981, followed by completion operations through August of 1981.

BLOWOUT PREVENTER SPECIFICATION
EQUIPMENT DESCRIPTION

TYPE II-C

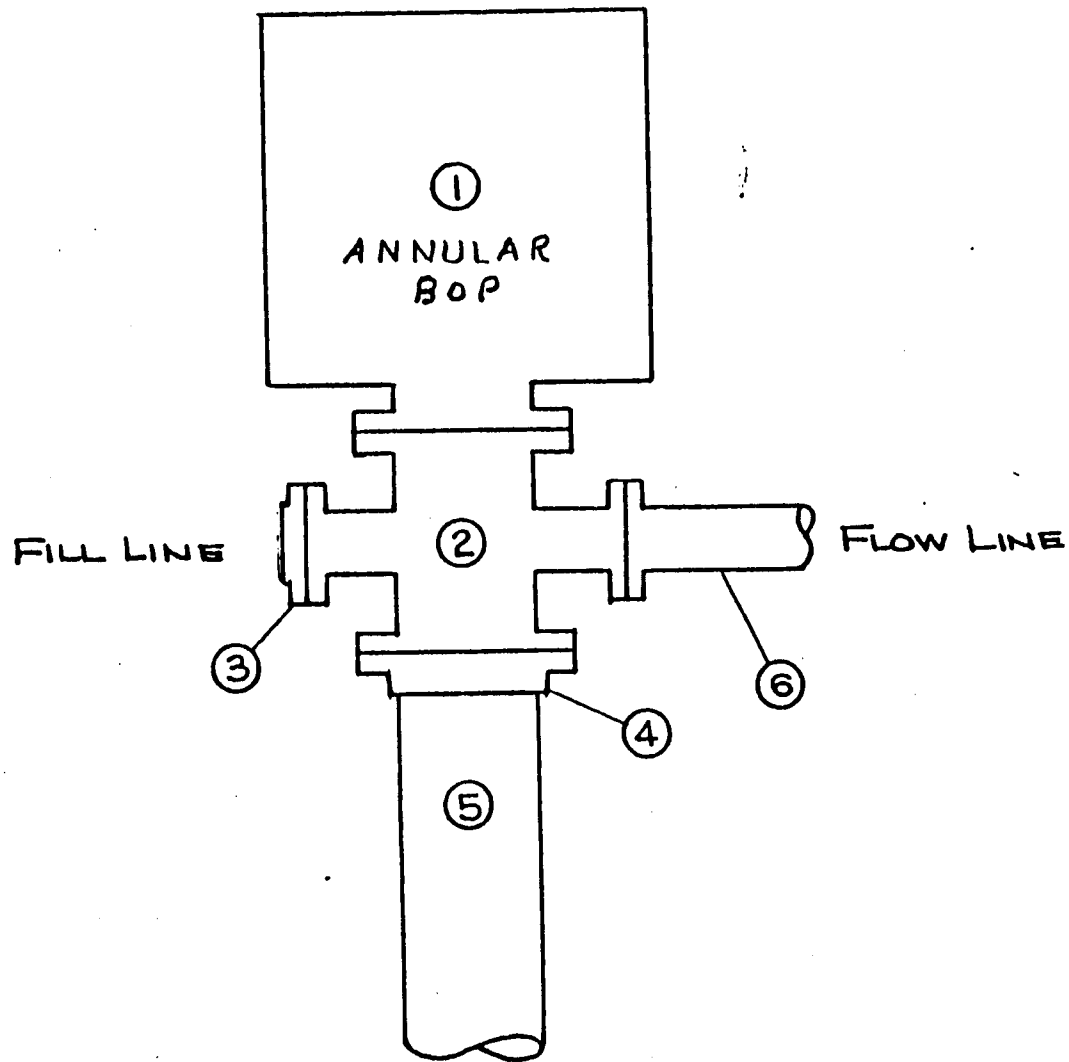
All equipment should be at least 3000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
- 7.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Elanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE VI
0-3500

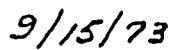


EQUIPMENT FOR FLOW DIVERSION

1. HYDRIL OR SHAFFER
2. FLANGED SPOOL
3. THREADED FLANGE
4. SLIP-ON OR THREADED FLANGE
5. CONDUCTOR
6. FLOWLINE

9/15/73

3500 -TD



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' S of NW/4 & 976' FWL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

☐

FRACTURE TREAT ☐

☐

SHOOT OR ACIDIZE ☐

☐

REPAIR WELL ☐

☐

PULL OR ALTER CASING ☒

☐

MULTIPLE COMPLETE ☐

☐

CHANGE ZONES ☐

☐

ABANDON* ☐

☐

(other) ☐

5. LEASE

U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Mill Creek Federal Unit

8. FARM OR LEASE NAME

Mill Creek Federal Unit

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 26, T3N, R10E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8411 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Under No. 5 of the Ten Point Plan, Minimum Specifications for pressure control
A. Casinghead equipment: Lowermost head: 9 5/8" x 10" 3000 psi, please add
H₂S Trim.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 12-16-80

BY: M.T. Munder

RECEIVED

NOV 21 1980

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. T. Munder TITLE Proration Specialist

DATE 11-17-80

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

9219100

** FILE NOTATIONS **

DATE: November 5 1980
OPERATOR: Exxon Corporation
WELL NO: Mill Creek Fed. Unit #2
Location: Sec. 26 T. 3N R. 10E County: Summit

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-043-30152

CHECKED BY:

Petroleum Engineer: M. J. Munder 11-5-80

Director: _____

Administrative Aide: Approved as Unit well (all formations).

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed.

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-29708	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
2. NAME OF OPERATOR Exxon Corporation			7. UNIT AGREEMENT NAME Mill Creek Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, Texas 79702			8. FARM OR LEASE NAME Mill Creek Federal Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 601' S of NW/4 and 976' FWL of Section At proposed prod. zone			9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 30 miles SE from Evanston			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 976' 344			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T3N, R10E	
16. NO. OF ACRES IN LEASE 1385.34			12. COUNTY OR PARISH 13. STATE Summit Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None			17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. PROPOSED DEPTH 12,000'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 8411 GR			22. APPROX. DATE WORK WILL START* December 1, 1980	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5	200'	To Surface
12 1/4"	9 5/8"	40	3500'	To Surface
8 3/4"	5 1/2"	20	12000'	500 sx or sufficient volume to cover any productive hydrocarbon intervals

Diverter BOP will be installed on 13 3/8" csg
3000 psi BOP's will be installed on 9 5/8" csg

Please replace copies previously sent with copies dated 11-4-80, changed to
3000 psi BOP from 5000 psi BOP

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 11-18-80

BY: M. J. Munder

NOV 18 1980

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Edgar Runkel TITLE Proration Specialist DATE 11-4-80
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

P.O. BOX 654
GREEN RIVER, WYOMING
82935

TELEPHONE: (307) 875-3638

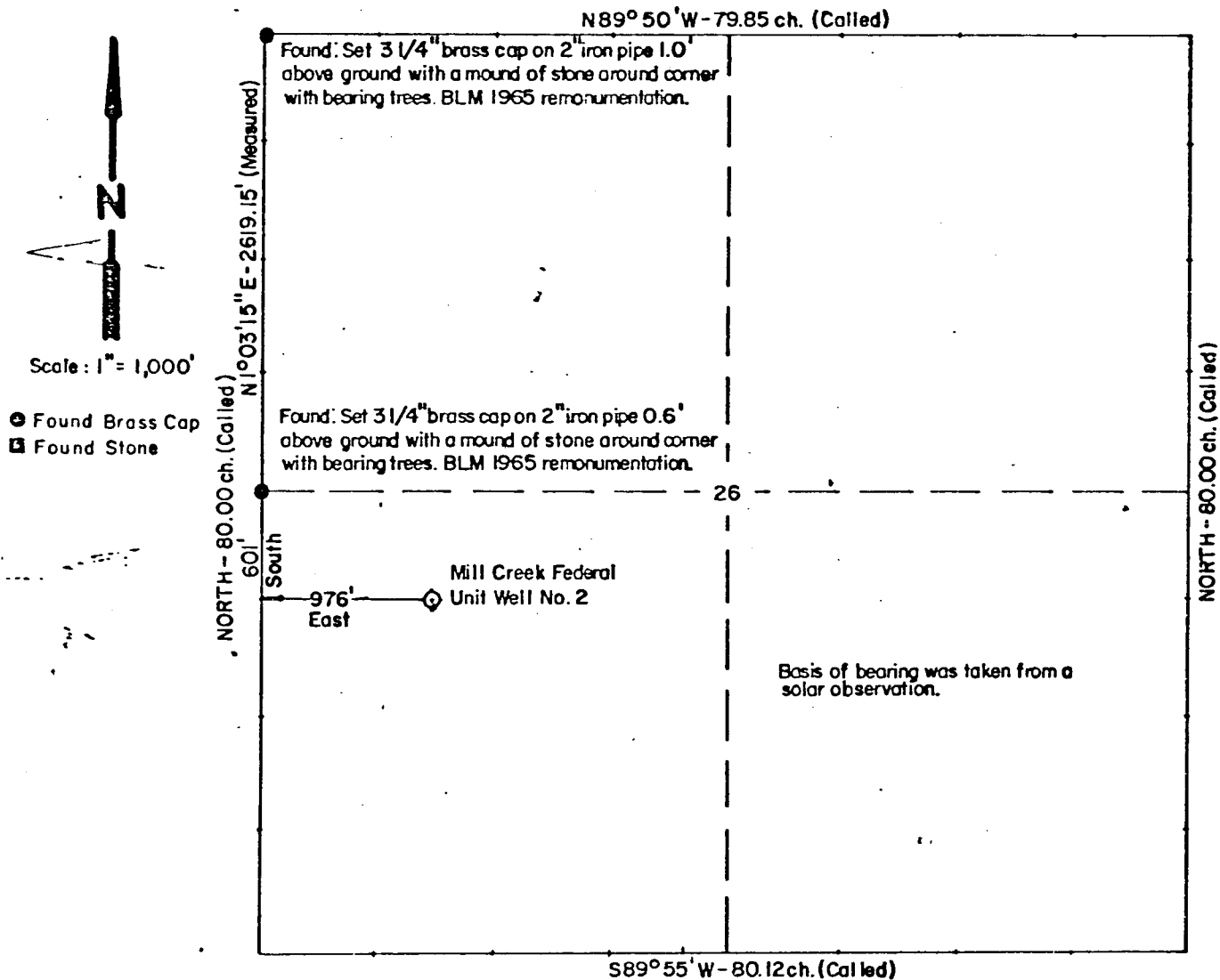
WILLIAM H. SMITH & ASSOCIATES
SURVEYING CONSULTANTS

P.O. BOX 1300
MOAB, UTAH
84532

TELEPHONE: (801) 259-6861

T 3 N

R 10 E



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Reference Point	East	250'	(Typical)	Elevation top rebar = 8425.5'
Reference Point	West	200'	(Typical)	Elevation top rebar = 8419.0'

Job No. 147-80
RMC

William H. Smith
UTAH R.L.S. NO. 2764

Exxon Corporation #2 Mill Creek Fed. Unit
Section 26, T3N, R10E, Summit County, Utah
Federal Lease No. U-29708

1. The geologic name of the surface formation is: Wasatch

2. The estimated tops of important geologic markers are:

Wasatch	Surface
Twin Creek	3,840'
Nugget	4,740'
Phosphoria	8,220'
Weber	8,800'
Madison	10,100'
Threeforks	11,500'
Mesa Verde	12,000'

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Nugget	4,740'	Water
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Weber	8,800'	Tight Gas/Water
Madison	10,100'	Water
Threeforks	11,500'	Oil
Mesa Verde	12,000'	Tight Gas/Water

4. Proposed casing program:

<u>String</u>	<u>Size/Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Structural	20"/94#/H-40	New	0-40
Conductor	13 3/8"/54.5#/K-55	New	0-200
Surface	9 5/8"/40/N-80	New	0-3500
Production	5 1/2"/20#/L-80	New	0-12000

5. Minimum specifications for pressure control:

A. Casinghead equipment:

Lowermost head: 9 5/8" x 10" 5000 psi.

Intermediate head: 10" 5000 psi x 6" 5000 psi H₂S Trim

Tubing head: 6" 5000 psi x 3" 5000 psi H₂S Trim

Tree: 3" 5000 psi H₂S Trim

B. Blowout Preventer: Attached drawing Type VI will be installed on 13 3/8" csg.
Attached drawing Type II-C will be installed on 9 5/8" csg.

C. BOP Control Unit: Unit will be hydraulically operated and have a control station for each preventer. It is to be located 75 feet from the wellhead.

D. Testing: When installed, the type II-C stack will be tested at 300 psi and 5000 psi. At approximately one week intervals the stack will be tested to 70% of its working pressure. An operational test of the annular, pipe rams and the blind rams will be performed on each round trip (but not more than once each day).

6. Type and anticipated characteristics of drilling fluid:

<u>Depth Interval (FT)</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Vis Sec/Qt</u>	<u>PV cp</u>	<u>pH</u>
0-200	Clear water	8.3-8.8	20-30	5-10	7-9
200-3500	FWM	8.8-8.9	30-40	8-15	9-10
3500-TD	FWM	8.9-9.1	40-50	8-15	9-10

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. Not less than 200 barrels of mud will be in surface mud pits and at least 200 sacks of barite will be stocked on location for well control problems.

7. Auxiliary Equipment:

A. Kelly Cocks: Upper and lower installed on kelly.

B. Safety Valve: Full opening ball type to fit each type and size of drill pipe in use. These will be available on the rig floor in the open position for stabbing into drill pipe when kelly is not in string.

C. Pit volume totalizer to monitor mud pits.

D. Trip tank to keep hole full of fluid and monitor hole behavior on trips.

E. Float will not be run at the bit.

8. The testing and logging program to be followed:

Drill Stem Tests (based on shows) - one each is planned in the Twin Creek, Nugget, Phosphoria, Weber, Madison, and Threeforks.

Cores - none are planned unless DST's are prohibited.

Logging Program - the Density, Neutron, Sonic, Dual Induction and Dipmeter from 3500' to TD.

Stimulation - At this time stimulation plans have not been worked out to the point that volumes and types of fluid or positioning of equipment can be given. As necessary this information will be supplied on Sundry Notices.

9. No H₂S was seen in Mill Creek I and none has been reported in area. No H₂S is expected in Mill Creek II.

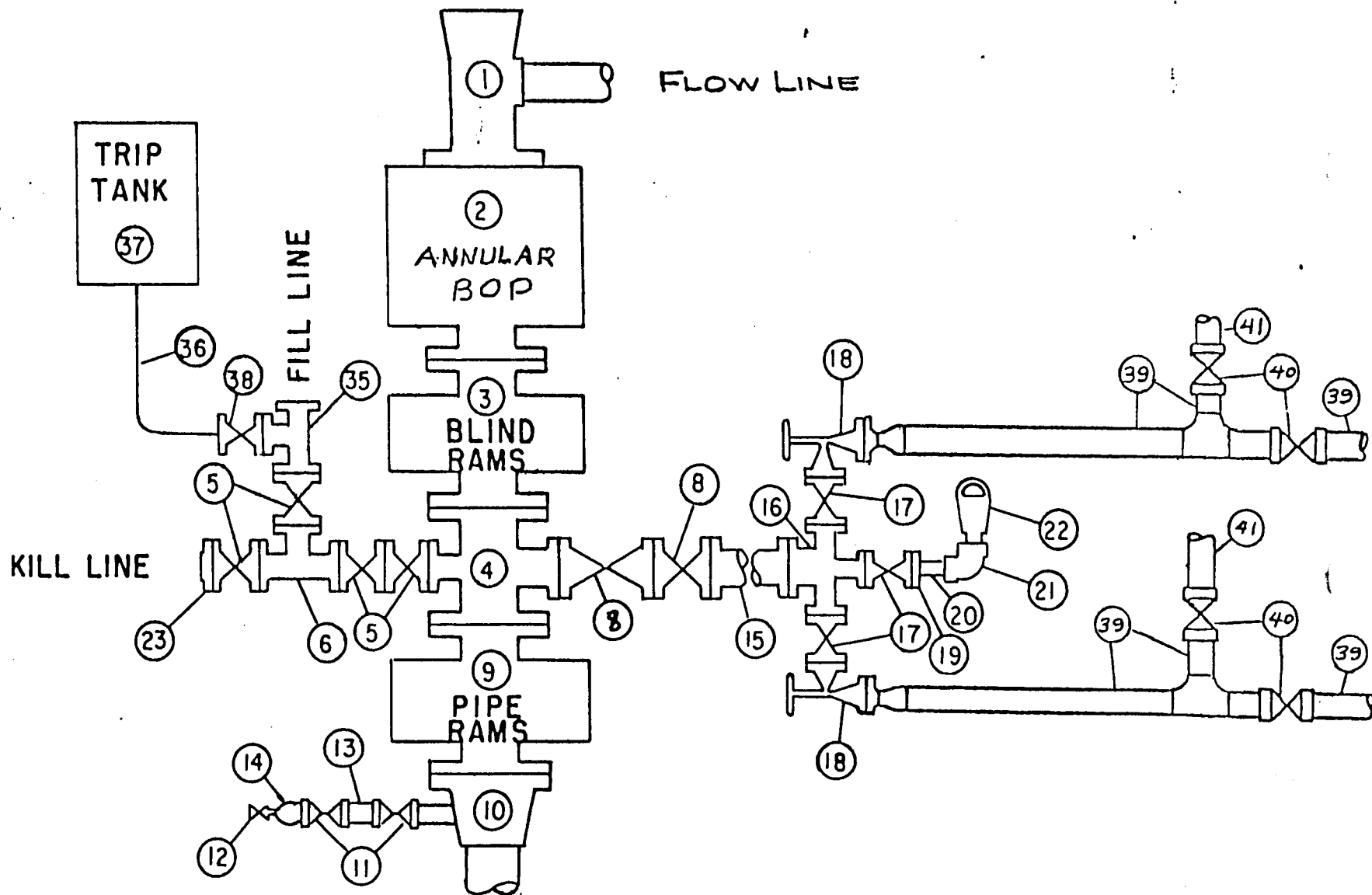
10. Drilling operations are planned to begin January 1, 1981, and drilling operations are expected to end on or about June 1, 1981, followed by completion operations through August of 1981.

MIDLAND DRILLING ORGANIZATION

BLOWOUT PREVENTER SPECIFICATION

TYPE II - C

3500 -TD



9/15/73

BLOWOUT PREVENTER SPECIFICATION
EQUIPMENT DESCRIPTION

TYPE II-C

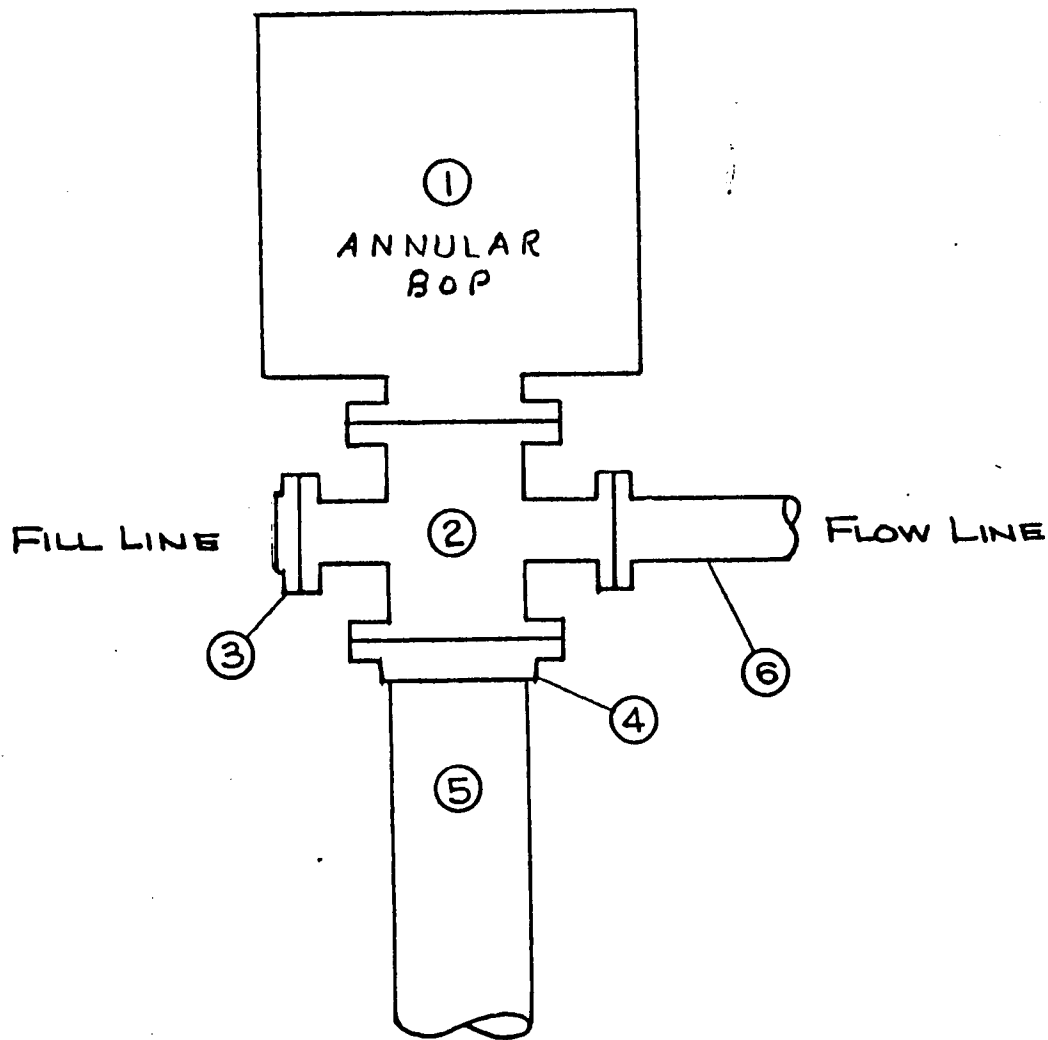
All equipment should be at least 5 000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
- 7.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Flanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE VI
0-3500



EQUIPMENT FOR FLOW DIVERSION

1. HYDRIL OR SHAFFER
2. FLANGED SPOOL
3. THREADED FLANGE
4. SLIP-ON OR THREADED FLANGE
5. CONDUCTOR
6. FLOWLINE

9/15/73

SURFACE USE PLAN

Exxon Corporation #2 Mill Creek Federal Unit
601'S of NW/4 & 976' FWL of Section 26, T3N, R10E
Federal Lease No. U-29708, Summit County, Utah

1. EXISTING ROADS - Area Map Exhibit "A" shows existing roads and is a portion of the USGS Deadman Quadrangle map.
 - A. Exhibit "A" shows proposed well site as staked.
 - B. From Evanston, Wyoming, go 26 miles south on Highway 150 to an existing gravel road to the east on the section line between sections 29 and 32, T3N, R10E. Travel easterly on existing gravel road 3.6 miles to an old jeep trail on the right. The location is then 1100' to the northeast.
 - C. Approximately .2 mile of road will be constructed as shown on Exhibit "A".
 - D. Existing roads are shown on Exhibit "A".
 - E. This is an exploratory well.
 - F. The existing gravel road does not need any improvement. However, the existing road and the new road to be constructed will be maintained as required.
2. PLANNED ACCESS ROADS - Approximately .2 mile of road will be constructed.
 1. Width of the proposed road will be 16'.
 2. The maximum grade will be less than 8%.
 3. No turnouts will be constructed.
 4. Ditches will be constructed where necessary with water turnouts to keep water off the road.
 5. No major cuts are required. Fill required for the location approach will come from well site excess; no other major fills are required. Two 18" culverts will be installed if needed, one where the new road meets the existing road and one where the new road crosses a drainage channel about midway in its length.
 6. The road and location will not require a gravel surface.
 7. No new fence cuts or cattleguards are required.
3. LOCATION OF EXISTING WELLS WITHIN TWO-MILE RADIUS
 1. Water wells - None
 2. Abandoned Wells - Shown on Exhibit "A", Mill Creek #1, Sec. 27, T3N, R10E.
 3. Temporarily Abandoned Wells - None.

4. Disposal Wells - None.
5. Drilling Wells - None.
6. Producing Wells - None.
7. Shut-in Wells - None.
8. Injection Wells - None.
9. Monitoring or Observation Wells for Other Sources - None.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES CONTROLLED BY LESSEE/OPERATOR

A. Within One-Mile Radius

1. Tank Batteries - None.
2. Production Facilities - None.
3. Oil Gathering Lines - None.
4. Gas Gathering Lines - None.
5. Injection Lines - None.
6. Disposal Lines - None.

B. New Facilities in Event of Production

1. Proposed location and attendant lines were not flagged since they will be located on the drill pad.
2. Dimensions of facilities are shown on Exhibit "B".
3. Production facilities will be constructed on drillsite pad using gravel surface.
4. Equipment and pit will be fenced to protect livestock and wildlife.

C. Rehabilitation will be done on any disturbed areas no longer needed for operations after the hole is abandoned or after completion of the production facilities. This will consist of reshaping the existing surface to the original contour and seeding as specified by the BLM.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water will be obtained from either Mill Creek 2 miles from the location or in Cow Hollow .5 mile from the location at previously used turnouts along the access road, as shown on Exhibit "A".

- B. Water will be hauled by truck over the access road. No pipelines are required.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. It is not anticipated there will be a need to gravel the upgraded jeep road or the location. If gravel is encountered while constructing the road or location, it will be used in the construction of same. If gravel is required to maintain road or location, same will be obtained commercially off the lease.
- B. No construction materials are necessary.
- C. No construction materials are necessary.
- D. No haul road will be needed for construction.

7. WASTE DISPOSAL

- 1. Drill cuttings will be disposed of in the reserve pit.
- 2. Most drilling fluid will be disposed of in a permeable formation below surface casing depth. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. The reserve pit will be fenced on three sides prior to rig set up and will be fenced on the fourth side as soon as the rig moves out.
- 3. Water produced during tests will be disposed of in the reserve pit. Oil produced during tests will be stored in test tanks until sold, at which time it will be hauled from site.
- 4. Sewage from trailer houses will drain into holes at least 10 feet deep, which will be kept covered until backfilled during cleanup after rig moveout.
- 5. All trash, waste paper and garbage will be contained in a trash pit fenced with a small mesh wire to prevent wind scattering during collection. This trash will be hauled from Federal lands and disposed of in a garbage collection facility.
- 6. When the rig moves out, all trash and debris left at the site will be contained to prevent scattering and hauled to the garbage disposal site off Federal property.

- 8. ANCILLARY FACILITIES - If additional facilities are required to house workers due to bad weather, trailers will be used and set up on drill pad.

9. WELL SITE LAYOUT

- 1. Exhibit "B" shows the proposed well site layout, cross sections, cuts and fills.

2. The location of mud tanks, reserve pit, pipe racks, etc., is also shown on Exhibit "B".
3. The rig orientation and access road is shown on Exhibits "A" and "B".
4. The reserve pit will not be lined unless extremely porous material is encountered making it necessary. The drillsite pad and pit showing cuts and fills at the corner has been staked on the ground.

10. PLANS FOR RESTORATION OF SURFACE

1. At the time of completion and abandonment of the well, the pits will be backfilled and the entire disturbed area will be sloped to coincide with the adjacent undisturbed area. Prior to leaving the drillsite upon rig move out and before reshaping, any pit that is to remain open for drying will be fenced until backfilling and reshaping can be done.
2. When the well is abandoned Exxon will rehabilitate all disturbed areas as per BLM recommendations.
3. The reserve and other pits will be fenced until cleaned up and back-filled.
4. Any oil on pits will be removed or otherwise disposed of to U.S.G.S.-BLM approval and overhead flagging will be installed if the pits are left for any length of time.
5. Rehabilitation operations will start in the Spring after completion and be completed in the Fall to BLM specifications.

11. OTHER INFORMATION

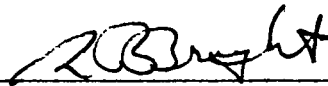
1. The topography of the area is mountainous, with sparse pine forest.
2. Surface ownership is private, and is used principally for grazing. Surface Owner Rehabilitation Plan will be submitted separately.
3. There are no known archeological, historical, or cultural sites in the area. There are intermittent streams in the area, one being 200 feet north of the drill pad running along the access road.

12. OPERATOR'S REPRESENTATIVE - Field Representative who can be contacted concerning compliance of this Surface Use Plan is:

H. G. Davidson
P. O. Box 1600
Midland, Texas 79702
Office Phone: 915/683-0263
Home Phone: 915/694-5324

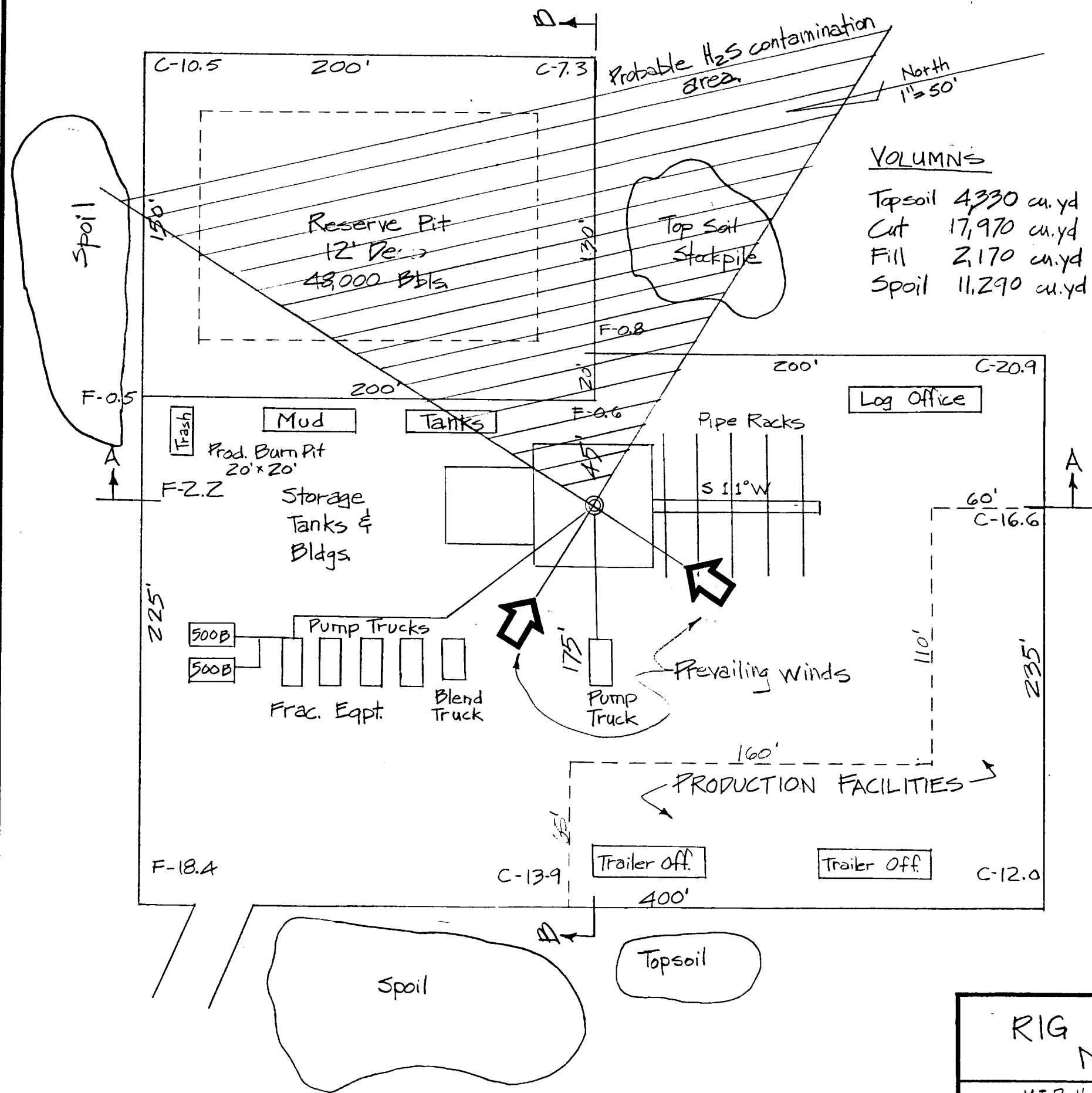
13. CERTIFICATION - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Exxon Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite during the drilling of the well for reference by all contractors and subcontractors.

Date October 29, 1980



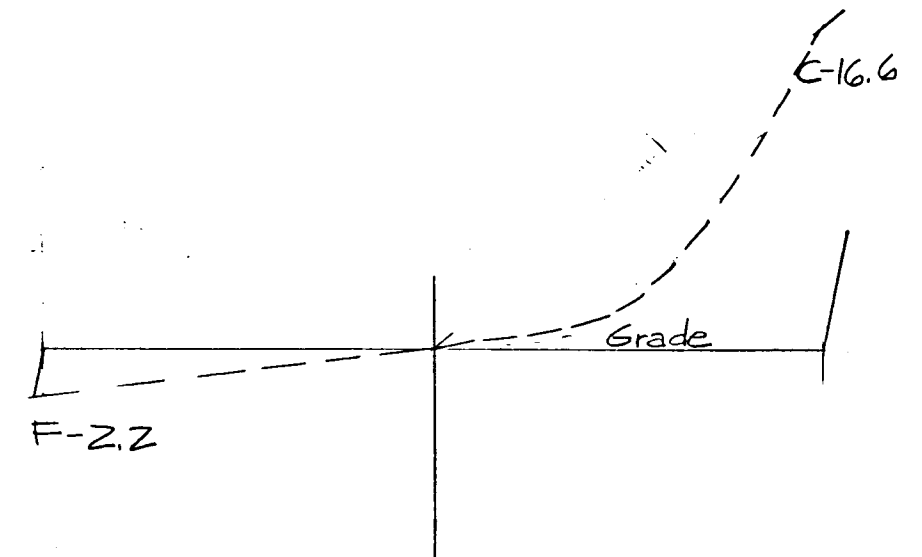
H. G. Davidson

fn Division Drilling Manager



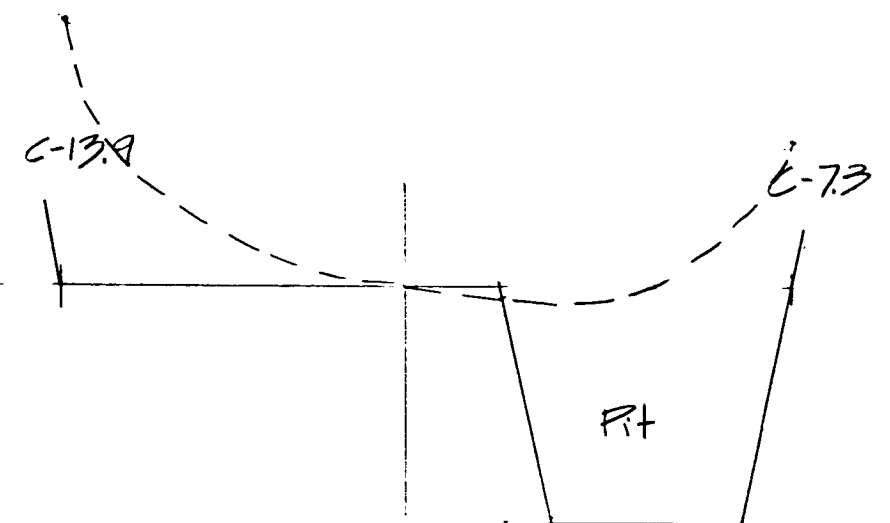
VOLUMES

Topsoil 4,330 cu.yd
 Cut 17,970 cu.yd
 Fill 2,170 cu.yd
 Spoil 11,290 cu.yd



Section A-A

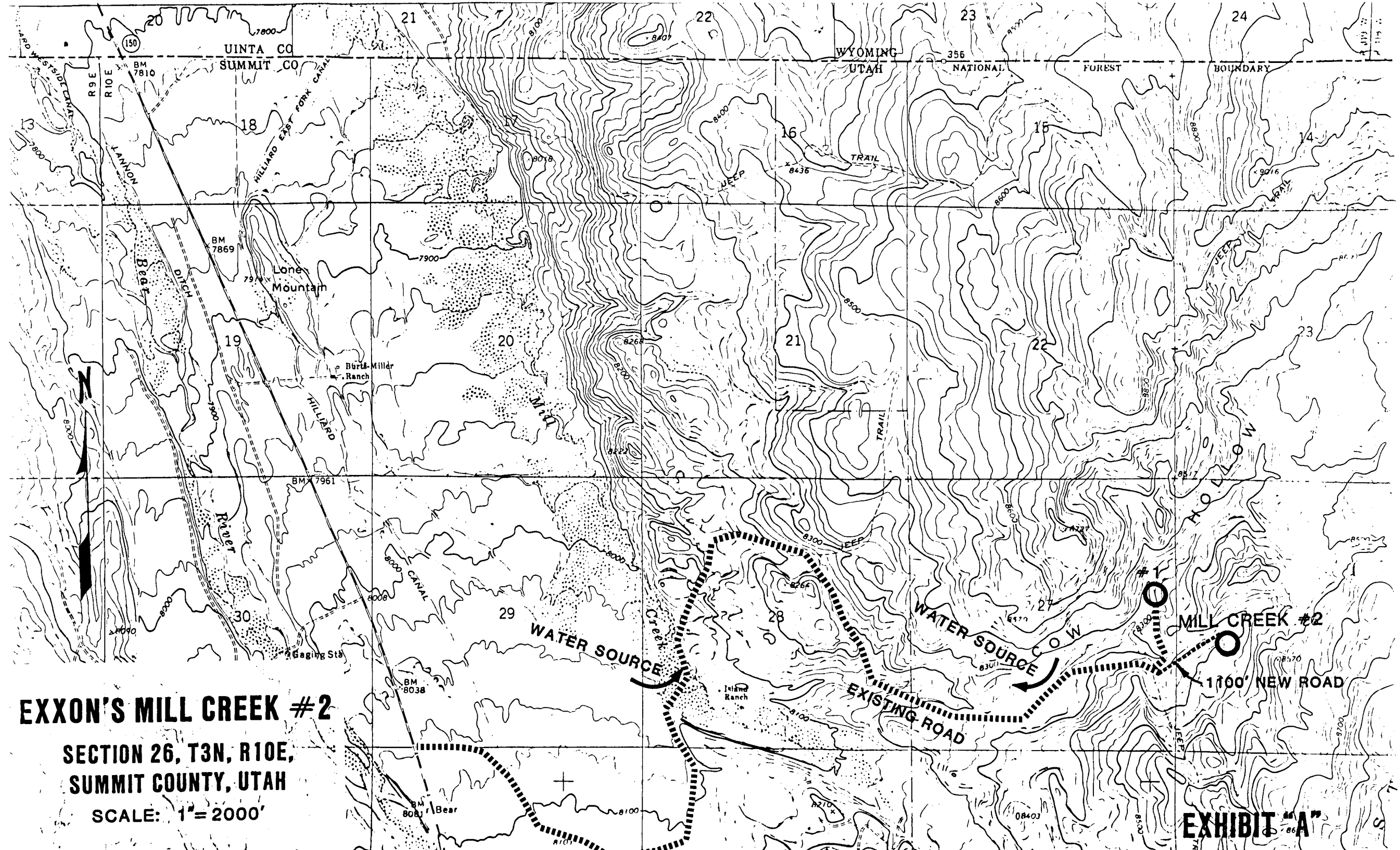
H-1" = 100'
 V-1" = 10'



Section B-B

EXHIBIT "B"

RIG LAYOUT FOR MILL CREEK #2		EXXON COMPANY, U.S.A. (a division of Exxon Corporation) PRODUCTION DEPARTMENT	
DRAWN <u>M.T. Bolton</u> CHECKED _____	ENGR. SECTION _____ APPROVED _____	DATE _____ SCALE <u>As Shown</u>	JOB NO. _____ FILE NO. <u>WB 1593</u>



EXXON'S MILL CREEK #2

**SECTION 26, T3N, R10E,
SUMMIT COUNTY, UTAH**

SCALE: 1" = 2000'

EXHIBIT "A"

DUP' ICATE

SUBMIT IN TR 'ATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1600 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

601' S of NW/4 and 976' FWL of Sec.

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

30 miles Southeast from Evanston

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 976'

344'

16. NO. OF ACRES IN LEASE

1385.34

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

12,000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8411 GR

22. APPROX. DATE WORK WILL START*

December 1, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.5	200'	To surface
12 1/4	9 5/8	40	3500'	To surface
8 3/4	5 1/2"	20	12000'	500 sx or sufficient volume to cover any productive hydrocarbon intervals

Diverter BOP will be installed on 13 3/8" csg.
5000 psi BOPs will be installed on 9 5/8" csg.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Melba Knippling

TITLE Proration Specialist

DATE 10/30/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY (Orig Sgd.) R. A. Henricks
CONDITIONS OF APPROVAL, IF ANY:TITLE FOR E. W. GUYNN
DISTRICT ENGINEER

DATE JAN 2 1 1981

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYFLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80*State Oil & Gas*

1/20/81 Telecom
Gail Lutz
Signed off in Den

COPY original Signed by
E. W. Gynn -
1-15-81

Oil and Gas Drilling

EA No. 070-81

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

January 13, 1981

ENVIRONMENTAL ASSESSMENT

for

Application for Permit to Drill

Exxon Corporation

Well No. 2

Section 26, T. 3 N., R. 10 E., SLB & M

Summit County, Utah

Federal Lease U-29708

Prepared by

George Diwachak
Environmental Scientist
Salt Lake Cit, Utah

DIVISION OF
OIL, GAS & MINING

Introduction

This Environmental Assessment (EA) is being prepared under the USGS Conservation Division interim EA procedures. These procedures call for the Categorical Exclusion of wellsites that satisfy nine environmental criteria. A categorically excluded well requires no EA. Wellsites that fail to meet one or more of the nine criteria, or are indicative of field development in an area require an EA.

This EA is being prepared for the Exxon Corporation No. 2 wellsite as it fails to meet the following environmental criteria:

1. Public Health and Safety: The well would be drilled into potential hydrogen sulfide (H_2S) gas bearing zones and could present a hazard to the rig crew, area residents and recreationists.

The following participated in an onsite inspection of the proposed access route and wellsite on November 13, 1980

<u>NAME</u>	<u>REPRESENTING</u>
George Diwachak	USGS
Jack Peterson	BLM
Daniel Washington	BLM
Chas Cartwright	BLM
Tom Walsh	Exxon
Gene Paulsgrove	Exxon
Dennis Heller	Exxon
W.S. Westerfeld	Exxon
Rod Bennet	Skyline Construction
Rob Snyder	BLM

Proposed Action:

On November 3, 1980 Exxon Corporation filed an Application for Permit to Drill (APD) the No. 2 exploratory well, a 12,000 foot gas test of the Twin Creek, Phosphoria, Weber, Threeforks and Mesaverde Formations in NW/4, SW/4, Section 26, T. 3N., R. 10E., SLB & M, Summit County, Utah, Federal lease No. U-29708. All lands involved with this project are under private ownership. The operator has submitted private surface owner's easements and rehabilitation agreements and copies are included in the Appendix.

Exxon proposes to construct a drill pad 235 ft. wide by 400 ft. long and a reserve pit 150 ft. by 200 ft. A detailed site engineering plan is included in the attached APD. Approximately 1100 ft. of jeep trail would be reconstructed to reach the wellsite from an existing gravelled road. An existing jeep trail would be maintained for an H₂S escape route. Road design characteristics and maintenance are outlined in the APD. About 3.5 acres of surface disturbance would be associated with road and pad construction.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drill of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan and 13-Point Surface Protection Plan are on file in the District Office in Salt Lake City.

The operator proposes to construct production facilities on the disturbed area of the proposed drill pad. Areas no longer necessary for production would be rehabilitated per the surface owner's

agreement. No plans for flowlines were included with the APD and must be submitted to the appropriate agencies if production is established.

The anticipated starting date is early January 1981 and the duration of drilling activities should last 180 days. About 60 days are planned for completion activities, if necessary.

The application was determined technically and administratively complete on December 15, 1980 upon receipt of the enclosed H₂S Contingency Plan.

Environmental Considerations of the Proposed Action

Location and Natural Setting

The proposed drillsite is approximately 30 miles south, southeast of Evanston, Wyoming (See Figure 1 in Appendix) about 3.6 miles east of Utah State Highway 150 (Mirror Lake Highway). The location is within the traditional boundary of the Wasatch National Forest; however, all involved lands are private (See Figure 2). A detailed map of the proposed access route is included in the enclosed APD, labeled Exhibit "A" and in Figure 3 of Appendix.

The proposed location falls within the Private Land Management Unit of the Proposed Land Use Plan, North Slope Planning Unit, Wasatch National Forest. Since most of the land in the unit, are private, the National Forest lands are available for exchange. When the lands are exchanged the U.S. Forest Service plans to relocate the Forest boundary to exclude this unit.

Topography

The test site is situated in glaciated morainal terrain near the north flank of the Uinta Mountains. Drainage from the

area is westward toward the Bear River. The wellsite itself lies within an open sagebrush covered bench surrounded by moraines and foothills (See Figure 3). Moderately steep cuts would be necessary along the west and north edges of the location to level the pad area. Cuts and fills for pad leveling do not balance; however, the operator has provided for the storage of excessive materials (See Exhibit "B" of APD).

Hydrogen Sulfide

This well may encounter hydrogen sulfide (H_2S) gas during drilling operations. Hydrogen sulfide is a highly toxic poison gas. An H_2S Contingency Plan has been filed with the District Office and is included in the Appendix. This plan addresses safety and emergency escape procedures for all rig personnel and area residents, the contacting of local authorities, the protection of area recreationists, and also provides information concerning the toxicity of sour gas. A checklist for drilling in H_2S environments is included in the Appendix. The contingency plan meets most of the requirements of the checklist. Deficient items have been supplemented by stipulation. Topographically, the location of this well is not ideally situated for drilling in an H_2S environment. Sour gas is heavier than air and tends to flow downhill; however, it is wind sensitive and with strong winds, it should be carried above ground. The operator has calculated the area of exposure for the well to be a circle with a radius of 4,923 ft., centered at the well. There is only one residence within a two mile radius of the well, and the contingency plan outlines measures for notification when a potentially hazardous H_2S leak occurs. The wellsite layout itself has been designed and positioned for H_2S drilling.

The abandoned No.1 fee well in SW/4 NE/4 Sec. 27, T. 3N., R. 10E., drilled by Exxon during summer, 1980 did not encounter any H₂S gas (pers. comm., Tom Walsh, Exxon). However, the possibility of encountering sour gas cannot be ruled out, as H₂S is present throughout the region.

Geology

Estimated tops of geologic markers are reported in the APD and verified by the Mineral Evaluation Report from District Geologist, ME, included in the Appendix. The Geologic Map of Utah shows the surface of the region to be glaciated ground and undifferentiated moraines of all types. Prominent features of the region are glacial valleys in which the present major streams flow, ground and lateral moraines, and the broad gently sloping pediments between the major drainages.

The region of the test site is bordered on the south by the North Flank Fault of the Uinta Mountains, on the west by the Absaroka Thrust Fault and on the east by the Darby Thrust Fault. Hydrocarbons are produced to the west and north, most notably in the Pineview, Anshutz Ranch, and Yellow Creek Fields, from the Twin Creek, Nugget, Phosphoria and Madison Formations.

Seismic risk for the area is minor to moderate based on historic evidence. Abnormal pressures would not be anticipated. Toxic or noxious gasses would; however, be expected. Hydrogen sulfide gas may be encountered from the Phosphoria formation to total depth. No subsidence would be expected from drilling this well.

The potential for loss of circulation would exist and is possible in the sandstone units of the Mesa Verde. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

Coal beds may occur in the area in the lower Wasatch formations from near the surface to 2000 ft. of depth. The Mining Report from the District Mining Supervisor (in Appendix) reports that the area appears potentially valuable for underground mining and also requests logs covering all formations containing potentially valuable minerals.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah, and is included in the Appendix.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey Engineers and determined to be adequate.

Soils

No detailed soil survey has been made of the project area. The topsoils in the area range from a silt loam to a sandy loam and are frequently gravelly and cobbly due to their glacial origin. The soils are moderately susceptible to erosion with runoff potential dependent on slope and vegetative cover. Sediment yields are rated as low. Most of the deeper soils in the area are relatively fertile; however, vegetation reestablishment could be hampered by the harsh climate which does not permit lush vegetative growth.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the private surface agreement.

Approximately 3.5 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Climate and Air Quality

The test site is within the Northern Mountain Climatic Zone, one of Utah's seven natural, topographically influenced climatic regions. The mean annual temperature is 42.5°F. Average minimum and maximum summer temperatures range from 36° to 72°F. Winter temperatures range from -40° to around 28°F. The mean annual precipitation is 18.5 inches. Sixty percent of the precipitation falls during the months of October through April, mostly in the form of snow. The remaining 40% is distributed throughout the growing season of May through September.

Snow depths in the area ranges from 2 to 5 feet for the average year. Winds are common and speeds up to 70 m.p.h. may occur during any part of the year. The prevailing winds are from the west, northwest, averaging 10 m.p.h.

Climate could affect rehabilitation success. Generally, a season of about 20 to 40 frost-free days per annum can be expected dependent upon altitude and aspect. Summer evaporation is moderate, and the relative humidity averages about 40% for the year. Summer soil moisture relationships are rated as high.

Climate conditions would have an effect on normal drilling operations. Construction in winter during frozen conditions is possible though sometimes unsuitable. Soil compaction cannot be accomplished and inadequate reserve pits are often constructed. Snow removal for access would also be necessary and improper techniques could destroy the road bed and increase erosion once snowmelt occurs. Winter drilling would also subject men and machines to arctic conditions. Operations during wet or muddy seasons could damage roads and create a corresponding increase in erosion.

The area of the wellsite is within a Class II air quality classification region. This classification allows moderate air quality deterioration associated with moderate, well-controlled industrial and population growth.

It is not anticipated that this wellsite will have a significant effect on the air quality of the area. Relatively heavy traffic would be anticipated during the drilling and operations phase, with construction and operations increasing dust levels and exhaust pollutants in the area. If the well were to be completed for production, traffic would be reduced substantially to a maintenance schedule, with a corresponding

decrease of dust levels and exhaust pollutants. Should a gas leak occur, the effects would be extremely short-lived. (See Hydrogen Sulfide portion of this document for discussion of H_2S .)

NOISE

Background noise at the site is generally very low. The noise level at the site will increase significantly during the construction and drilling phases of the project. This increase is attributable to diesel drilling engines, generators, pumps, and service vehicles. The increased noise may be a nuisance to wildlife and result in their temporary migration from the immediate area. Recreationists and residents of the area could view the increased noise as a nuisance.

The noise impact should have no long-term effects on the area, as it would be infrequent, following drilling, and should return to pre-drilling levels after abandonment.

SURFACE WATER HYDROLOGY

The area of concern is within the Bear River drainage basin. Drainage from the drillsite is westward through Cow Hollow to Mill Creek, a tributary of the Bear River. There are two small shallow ponds/^{500 ft.} south of the drillsite and the H_2S escape route would pass alongside them. The Bear River is rated as a Class II stream, a high priority fishery resource and Mill Creek is a Class III stream, a substantial fishery resource. Water quality throughout the area is high.

Drainages could be affected by erosion expected from surface disturbances. The potential for pollution would be present from leaks and spills, although it would be minimal considering the hydrologic distance of the wellsite from live streams, about 1 mile. No major impacts to the nearby ponds would be expected since they are uphill from the wellsite, and

the escape route would use an existing trail. The existing road crosses Mill Creek at a bridge of adequate size to support rig and truck weights. If erosion became serious along roads, drainage systems such as waterbars and dikes should be installed to minimize the problem.

GROUND WATER

The area is considered to have a flow type ground water system. Recharge is from precipitation and runoff into bedrock and glacial materials. Discharge from the system occurs principally as stream flow. The Mineral Evaluation Report (in Appendix) states that fresh water would be possible to 2000 ft. in the Wasatch Formation. The casing program has been designed to protect this source.

The operator made a change of plans at the onsite inspection, requesting to drill a water well on location for use during drilling. A State of Utah permit has been applied for. If the water well is unsuccessful the original water source, Mill Creek, would be used, but water authorization permits from the State would be necessary.

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B.

The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. If fresh water should be available from the well, the owner may request completion as a water well if given approval.

FLORA AND FAUNA

Vegetation in the area is a mixed aspen-conifer community. The understory is composed of a variety of mountain shrubs, grasses and forbes. The well-site is situated in open sagebrush covered meadow. Snow cover at the time of the onsite inspection precluded the identification of grass and forb species. Riparian vegetation is evident along the course of Mill Creek; however, this activity would not disturb any riverine species.

Proposed action would remove about 3.5 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing. The operator proposes to revegetate the surface upon completion of operations, per the wishes of the land owner.

The wildlife of the area consists of moose, elk, mule deer, black bear, mountain lion, coyotes, beaver, foxes, rabbits, and varieties of small ground squirrels and other types of rodents. Various types of mountain amphibians and lizards also inhabit the area. The predominate birds of the area are raptors, finches, ground sparrows, magpies, crows, ravens, jays, and upland game species. A complete list of wildlife in the area is presented in the Wasatch National Forest, North Slope Land Use Plan.

Bases on the formal comments received from the Bureau of Land Management on January 12, 1981, we determine that there would be no effect on listed threatened or endangered species and/or their critical habitat.

Socio Economics

The economic and environmental impact of a single well is normally somewhat negligible. But should this well discover a significant new hydrocarbon source, local, state and possible national economics might be improved. In this instance, other development wells would be anticipated with increased environmental and economic impacts.

Cultural Resource Determination

Based on the formal comments received from the Bureau of Land Management on January 12, 1981 we determine that there would be no effect on cultural resources.

Land Uses

Land use of the area consists of recreation and grazing. Since most of the area land is private, public use is somewhat limited. Several summer homesites boarder Mill Creek about 1.5 miles west, southwest of the wellsite. Snowmobilers frequent the area in winter. The nearby National Forest lands offer a variety of resources and environments for outdoor enthusiasts year-round.

No major impacts would be expected to recreationists as drilling would occur in the "off" season. However, hydrogen sulfide hazards could be increased for snowmobilers and cross-country skiers as they may frequent back country trails in the area and not notice warning signs. The H₂S Contingency Plan outlines safety measures for the notification of area residents and recreation site owners.

Aesthetics

The wellsite does not blend in with the natural surroundings, but is

shielded from view by topography and vegetation. The site would not be visible from any major roads. Distractions from aesthetics would occur over the lifetime of the project, but would be minor.

If the well is a dry hole, rehabilitation would be done per the surface owner's requirements and the satisfaction of the USGS. This would involve leveling and reseeding, etc., of the location, and the access road. Should this be a producing well, the access road and a small area around the well would remain disturbed for a long period of time, and measures would be undertaken to protect wildlife and domestic stock from production equipment. Areas not necessary for production will be rehabilitated following the drill phase. The anticipated traffic would have a minimal impact on recreation traffic and vehicular safety problems. Aside from recreational activities the only other human conflicts what would arise in normal usage of of the area would be the grazing operations. These would be minor, with planned precautions to limit such conflict.

Adequacy of Restoration Plans

The restoration plans meet the minimum requirements of NTL-6. A rehabilitation agreement (in Appendix) has been reached for restoration of disturbed areas. Reseeding mixtures have been recommended by the Bureau of Land Management.

Waste Disposal

The mud and reserve pits would contain all fluids used during drilling operations. If pit levels reach capacity, fluids should be removed to approved disposal site. A trash pit would be used for solid wastes generated at the site and trash would be removed to an appropriate disposal site. Sewage would be handled according to county sanitary codes.

Cumulative Impacts

Cumulative impacts would occur if exploration operations were extended beyond this well. This well is located in an area that may have a potential for field development. Cumulative effects could, therefore, become significant at some future time.

Cumulative impacts resulting from oil and gas field development activities would include, but not be limited to, denuding several acres of vegetation, increased pressure on wildlife behavior, continual encroachment on recreation, air quality and scenic values, and a disruption of current land use patterns. Removal of vegetation over several acres has the potential cumulative effect of increasing erosion/sedimentation in local and regional systems, destroying wildlife habitats and food sources, reducing grazing acreage, increasing the source-acreage for fugitive dust, and reducing the organic and chemical ingredients necessary for successful revegetation and soil stabilization. Continuous encroachment on recreational and scenic values would occur as more drilling, development and production activities took place and degradation of these values as well as air quality would result through increases in noise, exhausts, particulates, odors, traffic and construction.

Cumulative effects to the subsurface environment may include: contamination of groundwaters through commingling with drilling chemicals, contamination of potentially usable groundwater supplies through interaquifer leakage via the wellbore, subsidence due to fluid withdrawal by drilling operations and leaching of potentially harmful chemicals from reserve pits into subsurface water systems.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - if the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.
2. Approving the project with the recommended stipulations - Under Federal oil and gas leasing provision, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS supervision. Environmental impacts would be significantly mitigated.

Recommended Approval Conditions

The following mitigative measures incorporate BLM recommendations and would reduce potential impacts of the proposed action.

1. All safety precautions and measures outlined in the H₂S Contingency Plan shall be adhered to.
2. The following Supplemental equipment and measures shall be incorporated into the H₂S Contingency Plan:
 - A. A ventilation fan will be used under the rig floor.
 - B. Swabbing or drillstem testing fluids containing H₂S shall be processed through a separator to permit flaring of gas.
3. The complete H₂S Contingency plan shall be implemented including the installation of all safety equipment when drilling reaches 1000 feet above or within 7 days of penetrating (whichever is lesser) the Phosphoria Formation expected at 8140 feet.

4. Adequate supplies of H_2S mud scavengers shall be on location throughout drilling.
5. If H_2S gas is discovered prior to contingency plan implementation, operations will cease until all safety equipment and plan procedures are operational.
6. The logging program shall be adjusted to include the first 2000 feet of hole to identify potential coal beds and should include Density, Neutron and Resistivity logs.
7. Any minable coal zones (greater than 28 inches thick) shall be isolated with cement from a point 100 feet below the formations to 100 feet above the formation.
8. All references to Bureau of Land Management/Federal lands in the Surface Use Plan of the APD shall be changed to private landowners/private lands.
9. Drilling fluids will not be disposed of in permeable formations below the surface casing as reported in Item 7 of the Surface Use Plan. Fluids shall be disposed of into the reserve pit or removed to an approved disposal site.
10. Sewage will be disposed according to county regulations.
11. The trash pit will be covered with small mesh wire.
12. The first 12 inches of soil covering the well will be stockpiled for use in reclamation. Backfilling and recontouring will be completed as close as possible to the original contours, or as prescribed by surface landowner. All disturbed areas will be seeded after site preparation with the following seed mixture:

3 lbs/ac	Mountain Brome
1 1/2 lbs/ac	Bluebunch Wheatgrass
1 1/2 lbs/ac	Idaho Fescue
1/2 lb/ac	Perennial Rye
1 lb/ac	Peavine (or small Burnet)
1 lb/ac	Rambler alfalfa

Unavoidable Adverse Environmental Effects

Surface disturbance and removal of vegetation from about 3.5 acres of land surface would temporarily increase erosion/sedimentation potential. Wildlife and livestock habitat and food supply would decrease, as would the aesthetic quality of the scenic resources of the immediate area. Fugitive dust from increased traffic over unpaved roads and emissions from rig and vehicle engines would temporarily decrease air quality. The potential for encountering H₂S gas poses a safety hazard to rig crews, residents, recreationists, livestock and wildlife. The increase in noise associated with drilling and construction may induce wildlife migration and become a nuisance to recreationists and residents. The potential for fires, gas leaks, spills of oil and water, subsurface damage to freshwater aquifers and other minerals would exist. If the well is a producer, further development of the area would be expected and environmental impacts would increase cumulatively.

Controversial Issues:

No controversial issues were discovered during the preparation of this document.

Finding of No Significant Impact

We have examined the impacts of the proposed action, Exxon Corporation Mill Creek No. 2, in the preceeding pages of the Environmental Assessment. The following summary sheet shows the evaluation of these impacts against each of the parameters listed for "significance" in 40 CFR 1508.27 and the background impact reference for our reasons of determining the no impact or no significant impact category.

Finding of No Significant Impact
40 CFR 1508.13 and .27

Key
NI - No impact
NS - No significant impact

<u>CEQ parameter 40 CFR 1508.27(b)</u>	<u>Severity of Impact Level/Degree of Significance</u>	<u>EA Page and Paragraph Reference</u>
1. Beneficial and/or adverse effects.	NS	par. 1, p. 5; par. 3, p. 10 par. 1, p. 6; par. 4, p. 12 par. 3, 4, p. 8 par. 1, 2, & 4, p. 9
2. Public health and safety.	NS	par. 1, p. 5 par. 1, p. 6 par. 1, p. 10
3. Unique characteristics of the geographical area.	NS	par. 1, p. 5
4. Effects highly controversial.	NI	
5. Highly uncertain effects or unique or unknown risks.	NS	par. 1, p. 4 par. 4, p. 5
6. Establishes precedent for future actions or is a decision in principle about future action.	NI	
7. Assessment of cumulative actions and impacts thereof. Note 40 CFR 1508.7	NI	

Finding of No Significant Impact
40 CFR 1508.13 and .27

<u>CEQ Parameter 40 CFR 1508.27(b)</u>	<u>Severity of Impact Level/Degree of Significance</u>	<u>EA Page and Paragraph Reference</u>
8. Effect on districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places or may cause loss or destruction of significant scientific, cultural historical resources.	NI	
9. Effects on endangered or threatened species or their habitat that have been determined to be critical under the Endangered Species Act of 1973.	NI	
10. Threatens a violation of Federal, State, or local law or requirements imposed for the protection of the environment.	NI	
11. Other related NEPA and environmental documents. (name)	See References	

Determination:

In my opinion, the proposed action does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C), and the environmental impacts of the proposed action are not likely to be highly controversial.

District Supervisor, Salt Lake City District

Date

I concur

Deputy Conservation Manager, Central Region

Date

I determine that the preparation of an environmental impact statement is not required.

Conservation Manager, Central Region

Date

SELECTED REFERENCES

- Algermissen, S. T., and D. M. Perkins. 1977, Earthquake Hazard Map of United States: Earthquake Information Bulletin VI. 9, No. 1, U.S. Geological Survey, Reston, VA.
- Stokes, W. L. and J. H. Madsen Jr., 1961, Geologic Map of Utah, Northeast Quarter Utah Geological and Mineral Survey, Salt Lake City, Utah, 1:250,000.
- U. S. Forest Service, 1976, Draft Environmental Statement, North Slope Land Use Plan, Wasatch National Forest: U.S. Dept. of Agriculture, Forest Service, Intermountain Region, Ogden, Utah, 204 p.
- U. S. Geological Survey, 1974, Final Environmental Statement, Proposed Oil and Gas Operations in the Ocala National Forest, Florida: Dept. of Interior, Geological Survey, Reston, VA.
- Wilson, LeMoyne, et.al, 1975, Soils of Utah: Agricultural experiment Station, Bulletin 492, Utah State University, Logan, Utah. 94 p.

Exxon Corporation #2 Mill Creek Fed. Unit
Section 26, T3N, R10E, Summit County, Utah
Federal Lease No. U-29708

1. The geologic name of the surface formation is: Wasatch
2. The estimated tops of important geologic markers are:

Wasatch	Surface
Twin Creek	3,840'
Nugget	4,740'
Phosphoria	8,220'
Weber	8,800'
Madison	10,100'
Threeforks	11,500'
Mesa Verde	12,000'

3. The estimated depths at which anticipated oil, water, gas, or other mineral bearing formations are expected to be encountered are:

Wasatch	Surface	---
Twin Creek	3,840'	Tight Gas/Water
Nugget	4,740'	Water
Phosphoria	8,220'	Tight Gas/Water
Weber	8,800'	Tight Gas/Water
Madison	10,100'	Water
Threeforks	11,500'	Oil
Mesa Verde	12,000'	Tight Gas/Water

4. Proposed casing program:

<u>String</u>	<u>Size/Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Structural	20"/94#/H-40	New	0-40
Conductor	13 3/8"/54.5#/K-55	New	0-200
Surface	9 5/8"/40/N-80	New	0-3500
Production	5 1/2"/20#/L-80	New	0-12000

5. Minimum specifications for pressure control:

A. Casinghead equipment:

Lowermost head: 9 5/8" x 10" 5000 psi.	
Intermediate head: 10" 5000 psi x 6" 5000 psi	H ₂ S Trim
Tubing head: 6" 5000 psi x 3" 5000 psi	H ₂ S Trim
Tree: 3" 5000 psi	H ₂ S Trim

- B. Blowout Preventer: Attached drawing Type VI will be installed on 13 3/8" csg.
Attached drawing Type II-C will be installed on 9 5/8" csg.

C. BOP Control Unit: Unit will be hydraulically operated and have a control station for each preventer. It is to be located 75 feet from the wellhead.

D. Testing: When installed, the type II-C stack will be tested at 300 psi and 5000 psi. At approximately one week intervals the stack will be tested to 70% of its working pressure. An operational test of the annular, pipe rams and the blind rams will be performed on each round trip (but not more than once each day).

6. Type and anticipated characteristics of drilling fluid:

<u>Depth Interval (FT)</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Vis Sec/Qt</u>	<u>PV cp</u>	<u>pH</u>
0-200	Clear water	8.3-8.8	20-30	5-10	7-9
200-3500	FWM	8.8-8.9	30-40	8-15	9-10
3500-TD	FWM	8.9-9.1	40-50	8-15	9-10

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. Not less than 200 barrels of mud will be in surface mud pits and at least 200 sacks of barite will be stocked on location for well control problems.

7. Auxiliary Equipment:

A. Kelly Cocks: Upper and lower installed on kelly.

B. Safety Valve: Full opening ball type to fit each type and size of drill pipe in use. These will be available on the rig floor in the open position for stabbing into drill pipe when kelly is not in string.

C. Pit volume totalizer to monitor mud pits.

D. Trip tank to keep hole full of fluid and monitor hole behavior on trips.

E. Float will not be run at the bit.

8. The testing and logging program to be followed:

Drill Stem Tests (based on shows) - one each is planned in the Twin Creek, Nugget, Phosphoria, Weber, Madison, and Threeforks.

Cores - none are planned unless DST's are prohibited.

Logging Program - the Density, Neutron, Sonic, Dual Induction and Dipmeter from 3500' to TD.

Stimulation - At this time stimulation plans have not been worked out to the point that volumes and types of fluid or positioning of equipment can be given. As necessary this information will be supplied on Sundry Notices.

9. No H₂S was seen in Mill Creek I and none has been reported in area. No H₂S is expected in Mill Creek II.

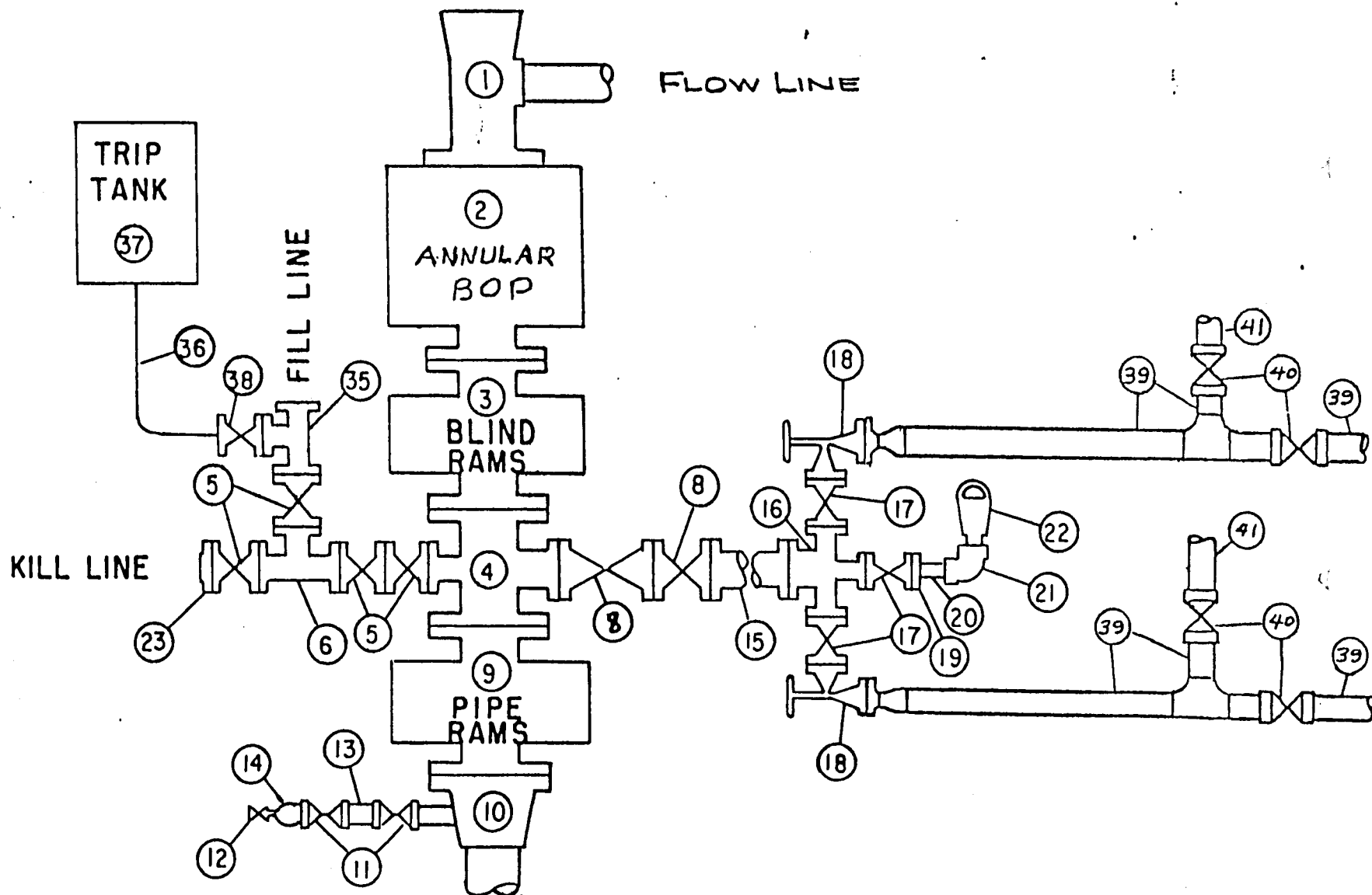
10. Drilling operations are planned to begin January 1, 1981, and drilling operations are expected to end on or about June 1, 1981, followed by completion operations through August of 1981.

MIDLAND DRILLING ORGANIZATION

BLOWOUT PREVENTER SPECIFICATION

TYPE II - C

3500 -TD



BLOWOUT PREVENTER SPECIFICATION
EQUIPMENT DESCRIPTION

TYPE II-C

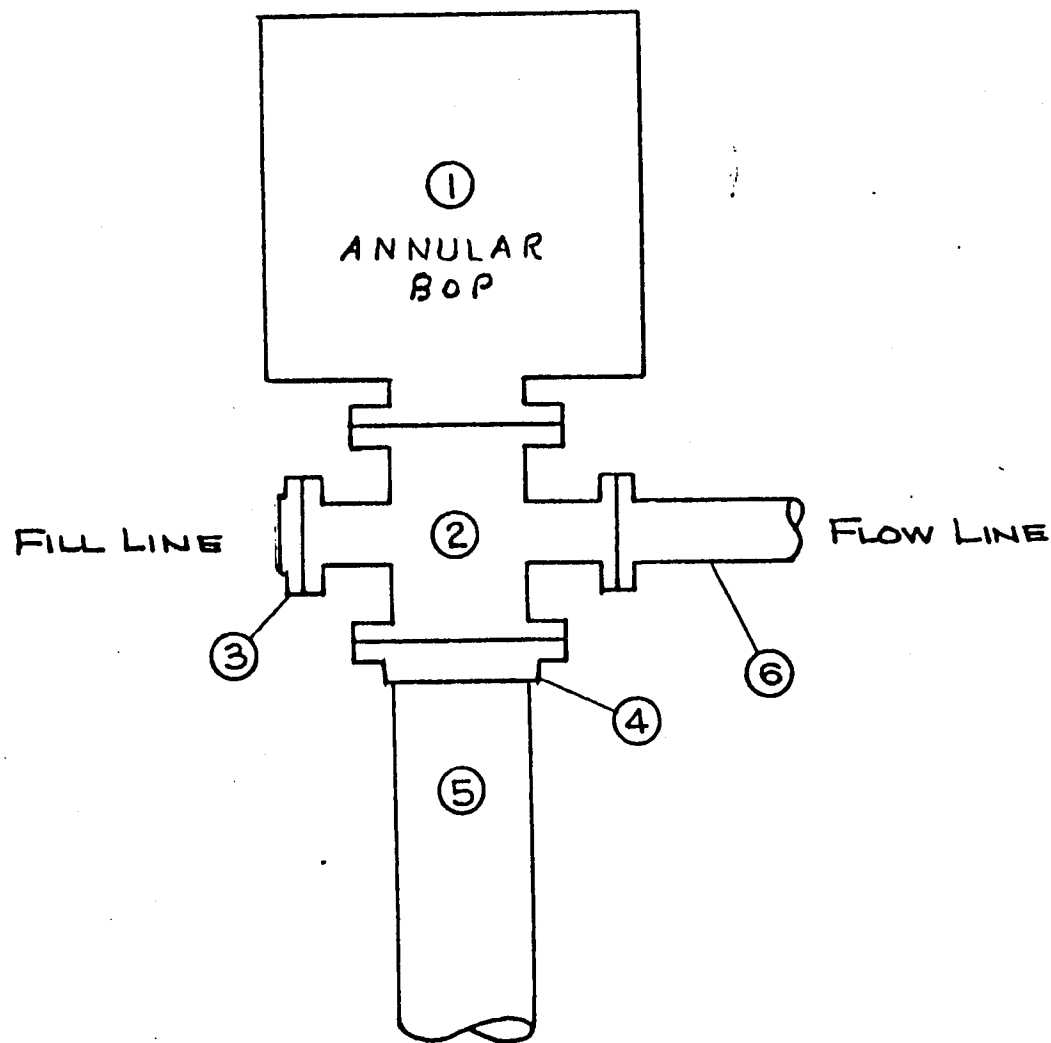
All equipment should be at least 5 000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
- 7.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Elanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE VI
0-3500



- EQUIPMENT FOR FLOW DIVERSION
- 1. HYDRIL OR SHAFFER
 - 2. FLANGED SPOOL
 - 3. THREADED FLANGE
 - 4. SLIP-ON OR THREADED FLANGE
 - 5. CONDUCTOR
 - 6. FLOWLINE

9/15/73

SURFACE USE PLAN

Exxon Corporation #2 Mill Creek Federal Unit
601'S of NW/4 & 976' FWL of Section 26, T3N, R10E
Federal Lease No. U-29708, Summit County, Utah

1. EXISTING ROADS - Area Map Exhibit "A" shows existing roads and is a portion of the USGS Deadman Quadrangle map.
 - A. Exhibit "A" shows proposed well site as staked.
 - B. From Evanston, Wyoming, go 26 miles south on Highway 150 to an existing gravel road to the east on the section line between sections 29 and 32, T3N, R10E. Travel easterly on existing gravel road 3.6 miles to an old jeep trail on the right. The location is then 1100' to the northeast.
 - C. Approximately .2 mile of road will be constructed as shown on Exhibit "A".
 - D. Existing roads are shown on Exhibit "A".
 - E. This is an exploratory well.
 - F. The existing gravel road does not need any improvement. However, the existing road and the new road to be constructed will be maintained as required.
2. PLANNED ACCESS ROADS - Approximately .2 mile of road will be constructed.
 1. Width of the proposed road will be 16'.
 2. The maximum grade will be less than 8%.
 3. No turnouts will be constructed.
 4. Ditches will be constructed where necessary with water turnouts to keep water off the road.
 5. No major cuts are required. Fill required for the location approach will come from well site excess; no other major fills are required. Two 18" culverts will be installed if needed, one where the new road meets the existing road and one where the new road crosses a drainage channel about midway in its length.
 6. The road and location will not require a gravel surface.
 7. No new fence cuts or cattleguards are required.
3. LOCATION OF EXISTING WELLS WITHIN TWO-MILE RADIUS
 1. Water wells - None
 2. Abandoned Wells - Shown on Exhibit "A", Mill Creek #1, Sec. 27, T3N, R10E.
 3. Temporarily Abandoned Wells - None.

4. Disposal Wells - None.
5. Drilling Wells - None.
6. Producing Wells - None.
7. Shut-in Wells - None.
8. Injection Wells - None.
9. Monitoring or Observation Wells for Other Sources - None.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES CONTROLLED BY LESSEE/OPERATOR

A. Within One-Mile Radius

1. Tank Batteries - None.
2. Production Facilities - None.
3. Oil Gathering Lines - None.
4. Gas Gathering Lines - None.
5. Injection Lines - None.
6. Disposal Lines - None.

B. New Facilities in Event of Production

1. Proposed location and attendant lines were not flagged since they will be located on the drill pad.
2. Dimensions of facilities are shown on Exhibit "B".
3. Production facilities will be constructed on drillsite pad using gravel surface.
4. Equipment and pit will be fenced to protect livestock and wildlife.

C. Rehabilitation will be done on any disturbed areas no longer needed for operations after the hole is abandoned or after completion of the production facilities. This will consist of reshaping the existing surface to the original contour and seeding as specified by the BLM.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water will be obtained from either Mill Creek 2 miles from the location or in Cow Hollow .5 mile from the location at previously used turnouts along the access road, as shown on Exhibit "A".

- B. Water will be hauled by truck over the access road. No pipelines are required.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. It is not anticipated there will be a need to gravel the upgraded jeep road or the location. If gravel is encountered while constructing the road or location, it will be used in the construction of same. If gravel is required to maintain road or location, same will be obtained commercially off the lease.
- B. No construction materials are necessary.
- C. No construction materials are necessary.
- D. No haul road will be needed for construction.

7. WASTE DISPOSAL

- 1. Drill cuttings will be disposed of in the reserve pit.
- 2. Most drilling fluid will be disposed of in a permeable formation below surface casing depth. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. The reserve pit will be fenced on three sides prior to rig set up and will be fenced on the fourth side as soon as the rig moves out.
- 3. Water produced during tests will be disposed of in the reserve pit. Oil produced during tests will be stored in test tanks until sold, at which time it will be hauled from site.
- 4. Sewage from trailer houses will drain into holes at least 10 feet deep, which will be kept covered until backfilled during cleanup after rig moveout.
- 5. All trash, waste paper and garbage will be contained in a trash pit fenced with a small mesh wire to prevent wind scattering during collection. This trash will be hauled from Federal lands and disposed of in a garbage collection facility.
- 6. When the rig moves out, all trash and debris left at the site will be contained to prevent scattering and hauled to the garbage disposal site off Federal property.

- 8. ANCILLARY FACILITIES - If additional facilities are required to house workers due to bad weather, trailers will be used and set up on drill pad.

9. WELL SITE LAYOUT

- 1. Exhibit "B" shows the proposed well site layout, cross sections, cuts and fills.

2. The location of mud tanks, reserve pit, pipe racks, etc., is also shown on Exhibit "B".
3. The rig orientation and access road is shown on Exhibits "A" and "B".
4. The reserve pit will not be lined unless extremely porous material is encountered making it necessary. The drillsite pad and pit showing cuts and fills at the corner has been staked on the ground.

10. PLANS FOR RESTORATION OF SURFACE

1. At the time of completion and abandonment of the well, the pits will be backfilled and the entire disturbed area will be sloped to coincide with the adjacent undisturbed area. Prior to leaving the drillsite upon rig move out and before reshaping, any pit that is to remain open for drying will be fenced until backfilling and reshaping can be done.
2. When the well is abandoned Exxon will rehabilitate all disturbed areas as per BLM recommendations.
3. The reserve and other pits will be fenced until cleaned up and back-filled.
4. Any oil on pits will be removed or otherwise disposed of to U.S.G.S.-BLM approval and overhead flagging will be installed if the pits are left for any length of time.
5. Rehabilitation operations will start in the Spring after completion and be completed in the Fall to BLM specifications.

11. OTHER INFORMATION

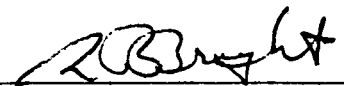
1. The topography of the area is mountainous, with sparse pine forest.
2. Surface ownership is private, and is used principally for grazing. Surface Owner Rehabilitation Plan will be submitted separately.
3. There are no known archeological, historical, or cultural sites in the area. There are intermittent streams in the area, one being 200 feet north of the drill pad running along the access road.

12. OPERATOR'S REPRESENTATIVE - Field Representative who can be contacted concerning compliance of this Surface Use Plan is:

H. G. Davidson
P. O. Box 1600
Midland, Texas 79702
Office Phone: 915/683-0263
Home Phone: 915/694-5324

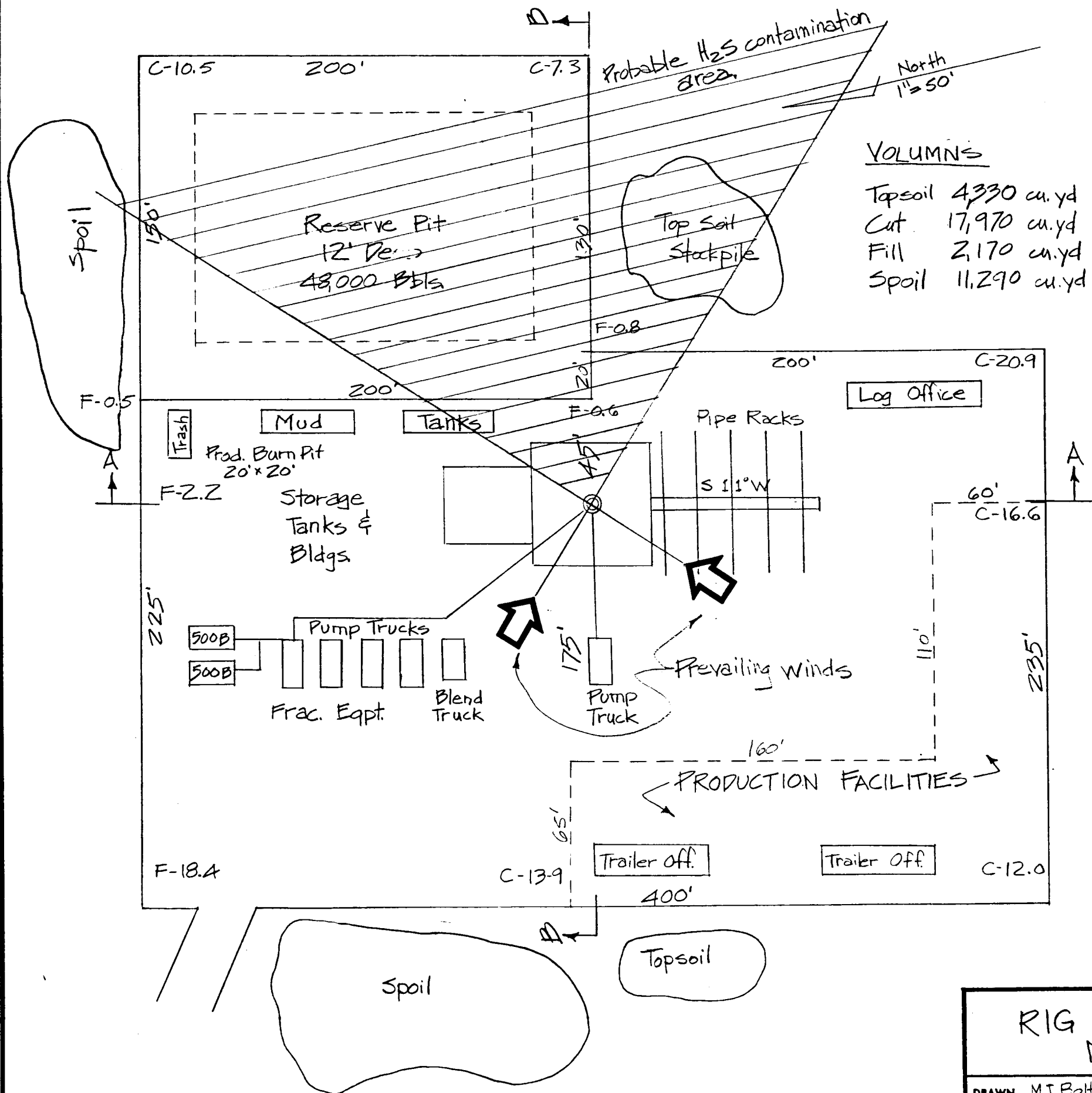
13. CERTIFICATION - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Exxon Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite during the drilling of the well for reference by all contractors and subcontractors.

Date October 29, 1980



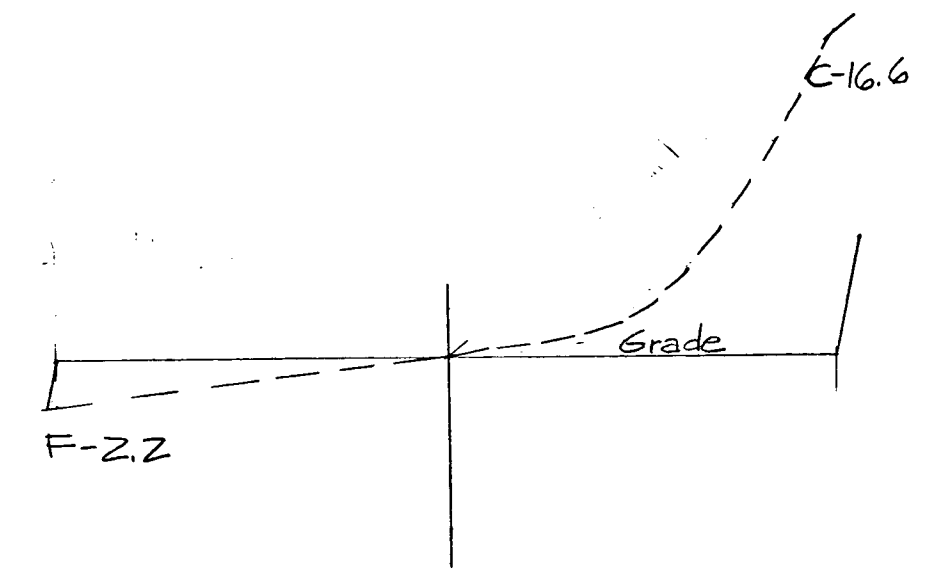
H. G. Davidson

for Division Drilling Manager



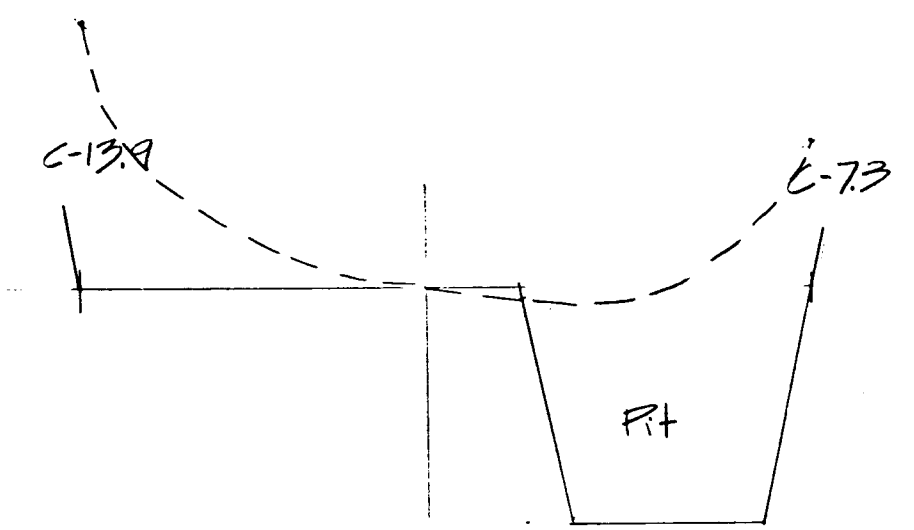
VOLUMNS

Topsoil	4,330 cu.yd
Cut	17,970 cu.yd
Fill	2,170 cu.yd
Spoil	11,290 cu.yd



Section A-A

H-1" = 100'
V-1" = 10'



Section B-B

EXHIBIT "B"

<h2 style="text-align: center;">RIG LAYOUT FOR MILL CREEK #2</h2>		EXXON COMPANY, U.S.A. (a division of Exxon Corporation) PRODUCTION DEPARTMENT	
DRAWN <u>MJ Bolton</u> CHECKED _____	ENGR. SECTION _____ APPROVED _____	DATE _____ SCALE <u>As shown</u>	JOB NO. _____ FILE NO. <u>WB 1593</u>

Exxon

NOTICE OF SPUD

Caller: Simon Gomez

Phone: _____

Well Number: Mill Creek #2

Location: ^{601' SNW} 976 FWL (NINSE) 26-3N-10E

County: Summit State: Utah

Lease Number: U-29708

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 3-2-81 6:00 P.M.

Dry Hole Spudder Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 17 1/2" hole

Rotary Rig Name & Number: TWT #57

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: K.R.

Date: 3-3-81

RECEIVED
MAR 4 1981

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
well well well
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1600 Midland, Texas 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL c 1485' FEL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Set Conductor			

5. LEASE
U - 6615
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Crooked Canyon Unit
8. FARM OR LEASE NAME
Crooked Canyon Unit
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T13S, R23E
12. COUNTY OR PARISH
Uintah
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6390' Ungraded Ground

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4-14-81: Spudded 26" hole. Set 20" Conductor @ 40', cemented w/65 cu. ft. Read Mix.

Four leases are being held by spudding this well, They are 10554, 10811, 10827 and 10829.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: NA

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Kneippling TITLE Unit Head DIVISION OF OIL, GAS & MINING DATE April 16, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-297
Communitization Agreement No. NA
Field Name NA
Unit Name Mill Creek Federal Unit
Participating Area NA
County Summitt State Utah
Operator Exxon Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Mill Creek Federal</u>									
2	26 NW/SW	3N	10E	DRG	None	None	None	None	Test BOP to 2000# Lost 5 DC's & BHA in hole. Fishing. Caught fish. Rig repairs. Drld to 8974' in dolomite, shale.
Orig & lcc: USGS, Box 2859, Casper, WY 92602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 lcc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist lcc: Central File lcc: Drilling Section									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Kripling Address: Box 1600, Midland, TX 79702
Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 11-29708

Communitization Agreement No. NA

Field Name NA

Unit Name Mill Creek Federal Unit

Participating Area NA

County Summitt State Utah

Operator Exxon Corporation

DIVISION OF
OIL, GAS & MINING
Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Mill Creek Federal</u>									
2	26 NW/SW	3N	10E	DRG	None	None	None	None	Fishing for stuck pipe. Test BOP to 2000#. Rig repairs. Drlg @ 10888 in dolomite, limestone.
Orig & 1cc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 1cc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist 1cc: Central File 1cc: Drilling Section									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Kripling Address: P. O. Box 1600, Midland, TX 79702

Title: Unit Head

Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' S of NW/4 and 976' FWL of Sec
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) Change Plans

5. LEASE
U-29708
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Mill Creek Federal Unit
8. FARM OR LEASE NAME
Mill Creek Federal Unit
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T3N, R10E
12. COUNTY OR PARISH Summit 13. STATE Utah
14. API NO.
43-043-30152
15. ELEVATIONS (SHOW DF, KDB, AND WD)
8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please change proposed total depth from 12,000' to 13000'.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6-30-81
BY: M. J. Minder

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Meelba Kriplang TITLE Unit Head DATE June 15, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-29708
Communitization Agreement NA
Field Name NA
Unit Name Mill Creek Federal Unit
Participating Area NA
County Summitt State Utah
Operator Exxon Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all nonproducing wells) for the month of June, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
2	26 NW/SW	3N	10E	DRG	None	None	None	None	Test BOP to 2000#. Cored. DST 11886-11911'. DST 11885-12010. Drld to 12225' in dolomite sand, coal. Logged
Orig & lcc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 lcc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist lcc: Central File lcc: Drilling Section									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Knippling Address: P. O. Box 1600, Midland, TX 79702
Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' S of NW/4 and 976' FWL of Sec
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
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☐
☐
☐
☐
☐

5. LEASE

U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Mill Creek Federal Unit

8. FARM OR LEASE NAME

Mill Creek Federal Unit

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 26, T3N, R10E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

14. API NO.

43-043-30152

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for completion procedure.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8/10/81

BY: Melba Knippling

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knippling TITLE Unit Head DATE July 27, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Mill Creek No. 2
Completion Procedure No. 1
July 20, 1981

C. PROCEDURE:

1. Install B-section and nipple up 6" - 5000 psi BOP stack. Test to 3000 psi. Run in hole with 4.65" gauge ring to PBTD (approximately 12,143'). Nominal ID of 5-1/2"/20# casing is 4.778" and drift ID is 4.653". Packer OD is 4.641".

If necessary, trip in hole with 4-1/2" bit and casing scraper and clean out casing down to 12,100'.

2. Pressure test 5-1/2" casing to 3000 psi. Hole should already contain 9.0 ppg KCl water. Make sure fluid is 9.0 ppg.
3. Rig up logging company and lubricator. Run GR-CLL. Short casing marker joints should appear at 8146' and 12,225'. Apply 1000 psi to casing and run cement bond log from TD to 7500'. If bonding is questionable, contact Midland Office.
4. Run in hole with 4" casing gun and perforate the following interval, 11,870'-11,980', ISP2F. Tag perforations with RA tracer. Correlate perforating gun with GR-CLL run above and FDC-CNL run 7-1-81. Retrieve perforating gun. Re-run GR-CLL to insure perforations are at the proper depths. Tag the top and bottom perforation on each run in the hole.
5. Install 6" - 5000 psi WP BOP's with 2-7/8" pipe rams on bottom and blind rams on top. Pressure test BOP's to 5000 psi. Make sure well is shut-in below tubinghead adapter.
6. Pick-up Baker A-2 "Lok-Set" retrievable packer, one joint of 2-7/8", 6.5#/C-75/EUE tubing, Baker "F" seating nipple and trip in hole on 2-7/8", 6.5#/C-75/EUE tubing string. Use Threadkote 706 on pin ends only. Hydrotest tubing to 5000 psi while going in the hole. Minimum recommended torque is 1600 ft-lbs and maximum recommended torque is 3400 ft-lbs. Packer will set in 20#/L-80 casing.
7. Set the packer at ±11,670' with right-hand rotation and set-down weight.
8. Pressure test the casing-tubing annulus to 3000 psi to insure the packer is holding. Release pressure.
9. ND BOP's and NU tubinghead adapter and christmas tree. Test tree to 5000 psi down to the bottom master valve.
10. Rig up to swab well. Swab well for two days after tubing and rathole capacity have been recovered (approximately 78 bbls).

2me 7/20

TML-7-20-81
- 7-20-81

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' S of NW/4 and 976' FWL of Sec
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
U-29708
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Mill Creek Federal Unit
8. FARM OR LEASE NAME
Mill Creek Federal Unit
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T3N, R10E
12. COUNTY OR PARISH
Summit
13. STATE
Utah
14. API NO.
43-043-30152
15. ELEVATIONS (SHOW DF, KDB, AND WD)
8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for completion procedure.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 8-10-81

BY: M. J. Minder

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knippling TITLE Unit Head DATE July 27, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

MILL CREEK FEDERAL NO. 2
COMPLETION PROCEDURE NO. 2

July 24, 1981

A. OBJECTIVE: Acidize Lower Darby perms
11,870'-11,980' (1 SP2F)

B. GENERAL:

1. 5-1/2" Casing - PBD 12,120'

			Burst 1.312 SF	Drift ID
0- 2400	5-1/2"	17 ppf/L-80/BTC	6181	4.767"
2400-10783	5-1/2"	17 ppf/L-80/LTC	6181	4.767"
10783-12223	5-1/2"	20 ppf/L-80/LTC	7401	4.653"

2. Wellhead: 9-5/8" BT x 10" - 3000 "A" Section
10" - 3000 x 6" - 5000 "B" Section
6" - 5000 x 2-1/2" - 5000 THA
2-1/2" - 5000 Tree

3. Tubing: 2-7/8" 6/5 ppf C-75 EUE (2.441" ID, 2.347" drift)

1.125 Collapse	1.312 Burst	1.33 Tension
9306 psi	8041 psi	101 M#

4. Baker Model "D" permanent packer set 11,670'± on wireline.

C. PROCEDURE:

1. Refill tubing with 2% KCl water after swabbing. Obtain 2 samples of KCl water for analysis. Let BJ analyze one and send the other to Martin Water Lab in Midland.
2. RU BJ Hughes to acidize well. Install 10,000 psi tree saver and hold safety meeting. Test all lines to 300 and 10,000 psi.
3. Set relief valve on 2-7/8" x 5-1/2" annulus to relieve at 4500 psi.
4. Retest 2-7/8" x 5-1/2" annulus to 3000 psi for 15 minutes. If OK, hold 3000 psi and monitor throughout acid job.

5. Foam-acidize well with 7000 gallons (64 gallons per foot, 128 gallons per perforation) of 2% KCl water with 15% HCl acid. Acid should contain:
 - a. _____ non-emulsifier (1 gal per 1000 gal water)
 - b. Foaming agent (12 gal per 1000 gal water)
 - c. Nitrogen (500 SCF per 42 gal water)
 - d. Acid inhibitor for 6 hours

Attempt to pump job at maximum rate, limiting surface pressure to 9000 psi. Expected rate is 5 BPM.

6. Pump 400 gallons of acid-water, drop one ball (1.3 SG, 3/4" OD), and then one ball every 2 bbls (84 gallons) thereafter. A total of 78 balls will be needed for the 55 perforation holes. If ballout occurs, surge balls off perfs and resume treatment.
7. Displace acid water to perfs with 2% KCl water containing 500 per 42 gallons water.
8. After displacing, shut in and record ISIP, 5 min, 15 min, and 30 min pressures while RD BJ.
9. Open well to flow back on 5/16" choke. Bleed off the 3000 psi annulus pressure, as necessary while unloading well, to avoid exceeding the tubing burst of 8000 psi.
10. Record fluid recovery and gas rate. Have service company run water analysis on fluid and compare to samples of water taken in Step #1 of this procedure. Have testing equipment and tank to monitor daily fluid recovery and oil-water ratio.
11. Arrange to have two 180 hr BHP bombs available to be run in well after flow testing.

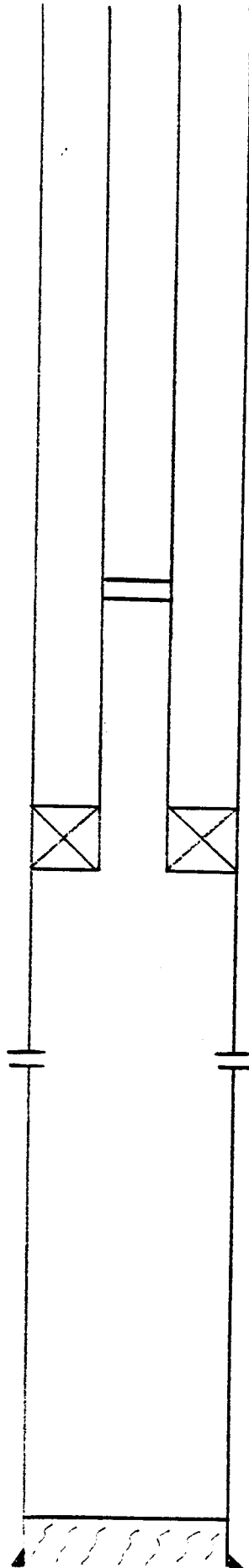
TML/mdj

TML 7-24-81
DRO via

MILL CREEK NO. 2

WELLBORE SKETCH

4/18/72 E. G. R.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-29708
Communitization Agreement No. NA
Field Name NA
Unit Name Mill Creek Federal Unit
Participating Area NA
County Summitt State Utah
Operator Exxon Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
2	26 NW/SW	3N	10E	DRG	None	None	None	None	DST 11886-11911'. DST 11885-12010'. Logged. Rig repairs Set 5 1/2" csg @ 12223'. Rigged down MIRU pulling unit. Test csg. Perf. 11880-11920' and 11870-11884'. ND BOP. NU tree and test. RU swbg. unit
Orig & 1cc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 1cc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist 1cc: Central File 1cc: Drilling Section									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	NONE	NONE	NONE
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	NONE	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Melba Knippling Address: P. O. Box 1600, Midland, TX 79702
Title: Unit Head Page 1 of 1

Mill Creek Fed. Unit

#32

11052-11060' and 11185-11195' Acidize w/2200 gal 15% HCl.

Drill Stem Tests:

DST #1 - 11691-11804'

Cushion: 1300' of water

IF: 15 min, 639-652 psi

ISI: 60 min, 652-3663 psi

FF: 240 min, 665-714 psi

FSI: Pulled tools

Rec: 447' oil, gas, water, mud emulsion; 80' 90% oil

DST #2 - 11886-11911'

Cushion: 1100' of water

IF: 30 min, 579 psi

ISI: 60 min, 579-1113 psi

FF: 190 min, 1113-579 psi

FSI: 300 min, 579-1734 psi

Rec: 18' mud

DST #3 - 11885-12010'

Cushion: 1100' of water

IF: 30 min, 5661-579 psi

ISI: 120 min, 579-3586 psi

FF: 180 min, 3586-601 psi

FSI: 360 min, 601-1955 psi

Rec: 3' oil; 8' oil and gas cut mud

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-29708
Communitization Agreement No. NA
Field Name NA
Unit Name Mill Creek Federal Unit
Participating Area NA
County Summitt State Utah
Operator Exxon Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Mill Creek Federal									
2	26 NW/SW	3N	10E	DRG	18	169	TSTM	582	Swbd. Acidized 11870-11980'. Rec. 58 BO as of 8-11-81. ND Xmas tree & NU BOP. Sqz. Lower Darby 11870-11980'. Perf. Upper Darby 11750-11798'. Swbd. Acidized Upper Darby.
Orig & lcc: USGS, Box 2859, Casper, WY 82602									
2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116									
1cc: Western Exploration Division, Denver, CO 80201									
2cc: Proration Specialist									
1cc: Central File									
1cc: Drilling Section									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	169	TSTM	582
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	TSTM	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	NONE
*Other (Identify)	NONE	NONE	582
*On hand, End of Month	169	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Edgar Ruskett Address: P. O. Box 1600, Midland, TX 79702

Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' of NW/4 and 976' FWL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Mill Creek Federal Unit

8. FARM OR LEASE NAME

Mill Creek Federal Unit

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 27, T3N, R10E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

14. API NO.

43-043-30152

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8-18-81 Squeeze Lower Darby perfs, 11870-11980'. Perf. Middle Darby 11750-11800' and test.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8-31-81

BY: M. J. Mendenhall

RECEIVED

AUG 31 1981

Subsurface Safety Valve: Manu. and Type _____ DIVISION OF _____ Set @ _____ Ft.
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Melvin Knippling TITLE Unit Head DATE 18 August 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-29708
Communitization Agreement No. NA
Field Name NA
Unit Name Mill Creek Federal Unit
Participating Area NA
County Summitt State Utah
Operator Exxon Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
2	26	3N	10E	DRG	20	108	TSTM	78	Swbg. Ran BHP bombs. Prep. to BHP bombs. Test tree saver. Swbg. gasing slightly after each swab run. Swbg. Recieving oil-water emulsion.
Orig & 1cc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 1cc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist 1cc: Central File 1cc: Drilling Section									

COPY

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	108	TSTM	78
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	TSTM	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	78
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	108	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: _____ Address: P. O. Box 1600, Midland, TX 79702
 Title: Unit Head Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
well well
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' S of NW/4 & 976' FWL of Sec.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input checked="" type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
U-29708
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Mill Creek Federal Unit
8. FARM OR LEASE NAME
Mill Creek Federal Unit
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25, T3N, R10E
12. COUNTY OR PARISH
Summit
13. STATE
Utah
14. API NO.
43-043-30152
15. ELEVATIONS (SHOW DF, KDB, AND WD)
8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Squeeze Darby Perfs. 11660-11748', 11750-11798'; set cmt. retainer. Perf & test Madison 11048-11056 and 11185-11195'.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 10-14-81
BY: M. J. Mendenhall

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Edgar Runkel TITLE Unit Head DATE October 5, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Mill Creek Fed. Unit

#32

11052-11060' and 11185-11195'

Acidize w/2200 gal 15% HCl.

Drill Stem Tests:

DST #1 - 11691-11804'

Cushion: 1300' of water

IF: 15 min, 639-652 psi

ISI: 60 min, 652-3663 psi

FF: 240 min, 665-714 psi

FSI: Pulled tools

Rec: 447' oil, gas, water, mud emulsion; 80' 90% oil

DST #2 - 11886-11911'

Cushion: 1100' of water

IF: 30 min, 579 psi

ISI: 60 min, 579-1113 psi

FF: 190 min, 1113-579 psi

FSI: 300 min, 579-1734 psi

Rec: 18' mud

DST #3 - 11885-12010'

Cushion: 1100' of water

IF: 30 min, 5661-579 psi

ISI: 120 min, 579-3586 psi

FF: 180 min, 3586-601 psi

FSI: 360 min, 601-1955 psi

Rec: 3' oil; 8' oil and gas cut mud

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 81

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Mill Creek Federal									COPY
2	26	3N	10E	DRG	7	15	TSTM	274	Swab. Recd. 10 BW 8BO. Squeeze Darby formation. Perf 11048-11195 w/18 shots. Swab. Acidize. Swab. Set 4 plugs. FRR & FRW 10-29-81. P & A. FINAL REPORT..
Orig & lcc: USGS, Box 2859, Casper, WY 82602 2cc: Dept. of Natural Resources, Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, UT 84116 lcc: Western Exploration Division, Denver, CO 80201 2cc: Proration Specialist lcc: Central File lcc: Drilling Section									

RECEIVED

DEC 14 1981

DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	15	TSTM	274
*Sold	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	NONE	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	TSTM	XXXXXXXXXXXXXXXXXX
*Used on Lease	NONE	NONE	XXXXXXXXXXXXXXXXXX
*Injected	NONE	NONE	NONE
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	274
*Other (Identify)	NONE	NONE	NONE
*On hand, End of Month	15	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	NONE	NONE	XXXXXXXXXXXXXXXXXX

Authorized Signature: Edgar Runkel Address: P. O. Box 1600, Midland, TX 79702

Title: Proration Specialist

Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

her in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-29708	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. DESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
2. NAME OF OPERATOR Exxon Corporation				7. UNIT AGREEMENT NAME Mill Creek Fed. Unit	
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702				8. FARM OR LEASE NAME Mill Creek Fed. Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 601' of NW/4 and 976' FWL of Section At top prod. interval reported below At total depth				9. WELL NO. 2	
14. PERMIT NO. ---				DATE ISSUED 8-3-81	
15. DATE SPUDDED 3-2-81		16. DATE T.D. REACHED 6-29-81		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 8411' GR	
17. DATE COMPL. (Ready to prod.) P & A 10-29-81		19. ELEV. CASINGHEAD ----		10. FIELD AND POOL, OR WILDCAT Wildcat	
20. TOTAL DEPTH, MD & TVD 12,225'		21. PLUG, BACK T.D., MD & TVD 12120		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 25, T3N, R10E	
22. IF MULTIPLE COMPL., HOW MANY* -----		23. INTERVALS DRILLED BY -----		12. COUNTY OR PARISH Summit	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE Dipmeter		13. STATE Utah	
26. TYPE ELECTRIC AND OTHER LOGS RUN BHC/Sonic/Caliper, DLL; D/N; Dipmeter; GR				27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)					
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
20"		94.0#		40'	
13 3/8"		54.5#		250'	
9 5/8"		40.0#		4043'	
5 1/2"		17. 20.0#		12223'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
26"		Readi-Mix to Surface		----	
17 1/2"		200 sx Poz 50-50 200 sx		ClG ----	
12 1/4"		1000 sx Poz mix G; 300 sx		ClG ----	
8 3/4"		1460 sx Lit Poz; 350 sx		ClG 4932'	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
None					
SACKS CEMENT*		SCREEN (MD)		TUBING RECORD	
				SIZE	
				None	
				DEPTH SET (MD)	
				PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)					
11870-11980 w/55 shots w/1 11/16" tbg. gun					
11750-11798' w/25 shots w/1 11/16" tbg. gun					
11660-11748' w/45 shots w/1 11/16" tbg. gun					
11052-11060 and 11185-11195' w/18 shots w/1 11/16" tbg. gun					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
11870-11980'		Acidize w/7000 gal 15% HCl			
11870-11980'		Sgz w/100 sx ClG			
11750-11798'		Acidize w/7500 gal 15% HCl			
11660-11798'		Sgz w/100 sx ClG			
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
P & A as dry hole 10-29-81					
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
7-29-81 thru 10-23-81					
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
		118.3			
WATER—BBL.		GAS-OIL RATIO			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		37.3°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
TEST WITNESSED BY					
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Charlotte Harper</u>		TITLE <u>Accountant</u>		DATE <u>November 15, 1981</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Madison	11048 11185	11056 11195	Total Rec. 7 B/O, 290 B/NW from perfs.
Darby	11660	11798	Rec. 258 B/O, 546 B/NW from perfs.
Cored: 11716-11911			

CONFIDENTIAL

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Tertiary	Surface	
Turn Creek	3970	
Nugget	4729	
Ankarah	5787	
Woodside	7523	
Dinwoody	8214	
Phosphoria	8380	
Weber	8773	
Amsden	9757	
Madison	10230	
Darby	11560	
Thrust	12100	
Subthrust		
Cretaceous	12100	

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 42-B355.5.**WELL COMPLETION OR RECOMPLETION REPORT AND LOG ***

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-29708	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Exxon Corporation				7. UNIT AGREEMENT NAME Mill Creek Fed. Unit	
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702				8. FARM OR LEASE NAME Mill Creek Fed. Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 601' of NW/4 and 976' FWL of Section At top prod. interval reported below At total depth _____				9. WELL NO. 2	
14. PERMIT NO. _____ DATE ISSUED 8-3-81				10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPURRED 3-2-81				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 6, T3N, R10E	
16. DATE T.D. REACHED 6-29-81				12. COUNTY OR PARISH Summit	
17. DATE COMPL. (Ready to prod.) P & A 10-29-81				13. STATE Utah	
18. ELEVATIONS (DP, RES, RT, GR, ETC.)* 8411' GR				19. ELEV. CASINGHEAD ----	
20. TOTAL DEPTH, MD & TVD 12,225'		21. PLUG, BACK T.D., MD & TVD 12120		22. IF MULTIPLE COMPL., HOW MANY* -----	
23. INTERVALS DRILLED BY -----				24. ROTARY TOOLS X	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None				26. WAS DIRECTIONAL SURVEY MADE Dipmeter	
27. TYPE ELECTRIC AND OTHER LOGS RUN BHC/Sonic/Caliper, DLL; D/N; Dipmeter; GR				28. WAS WELL CORED Yes	
29. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94.0#	40'	26"	Readi-Mix to Surface	----
13 3/8"	54.5#	250'	17 1/2"	200 sx Poz 50-50 200 sx C1G	---
9 5/8"	40.0#	4043'	12 1/4"	1000 sx Poz mix G; 300 sx C1G	---
5 1/2"	17.20.0#	12223'	8 3/4"	1460 sx Lit Poz; 350 sx C1G	4932'
30. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	TUBING RECORD
None					SIZE None
31. PERFORATION RECORD (Interval, size and number) 11870-11980 w/55 shots w/1 11/16" tbg. gun 11750-11798' w/25 shots w/1 11/16" tbg. gun 11660-11748' w/45 shots w/1 11/16" tbg. gun 11052-11060 and 11185-11195' w/18 shots w/1 11/16" tbg. gun				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				11870-11980'	Acidize w/7000 gal 15% HCl
				11870-11980'	Sqz w/100 sx C1G
				11750-11798'	Acidize w/7500 gal 15% HCl
				11660-11798'	Sqz w/100 sx C1G
33. PRODUCTION					
DATE FIRST PRODUCTION P & A as dry hole 10-29-81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST 7-29-81 thru 10-23-81	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL. 118.3	GAS—MCF. WATER—BBL. GAS-OIL RATIO
FLOW. TURNING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL.	OIL GRAVITY-API (CORR.) 37.3°	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Charlotte Harper</u>		TITLE <u>Accountant</u>		DATE <u>November 15, 1981</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Madison	11048 11185	11056 11195	Total Rec. 7 B/O, 290 B/NW from perfs.
Darby	11660	11798	Rec. 258 B/O, 546 B/NW from perfs.
Cored: 11716-11911'			

CONFIDENTIAL

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Tertiary	Surface	
Turn Creek	3970	
Nugget	4729	
Ankarah	5787	
Woodside	7523	
Dinwoody	8214	
Phosphoria	8380	
Weber	8773	
Amsden	9757	
Madison	10230	
Darby	11560	
Thrust	12100	
Subthrust		
Cretaceous	12100	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' of NW/4 & 976' FWL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE
U-29708
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Mill Creek Federal Unit
8. FARM OR LEASE NAME
Mill Creek Federal Unit
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T3N, R10E
12. COUNTY OR PARISH
Summit
13. STATE
Utah
14. API NO.
43-043-30152
15. ELEVATIONS (SHOW DF, KDB, AND WD)
8411' GR

CONFIDENTIAL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugs will be set as follows:

8-18-81
Plug 1 - Set cmt retaininer @ 11840'.
10-3-81
Plug 2 - Set cmt retainer @ 11610'.
10-25-81
Plug 3 - 10839-11300' w/50 sx ClG.
Plug 4 - 8823- 9100' w/30 sx ClG.
10-28-81
Plug 5 - 6900-7100' w/65 sx ClG.

Plug 6 - 5600-5800' w/25 sx ClG.
Plug 7 - 4800-5100' w/65 sx ClG.
Plug 8 - 3900-4200' w/100 sx ClG.
10-29-81
Plug 9 - 1900-2100' w/70 sx ClG.
Plug 10- Surface - 200' w/100 sx ClG.
Installed dry hole marker.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charlotte Harper TITLE Accountant DATE December 9, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 601' of NW/4 & 976' FWL of Section

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☒

(other) ☐

5. LEASE

U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Mill Creek Federal Unit

8. FARM OR LEASE NAME

Mill Creek Federal Unit

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 25, T3N, R10E

12. COUNTY OR PARISH

Summit

Utah

14. API NO.

43-043-30152

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8411' GR

RECEIVED
DEC 16 1981
CONFIDENTIAL
(NOTE: Report results of multiple completion or zone change on Form 9-330.)
DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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10-28-81

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Plug 7 - 4800-5100' w/65 sx ClG.

Plug 8 - 3900-4200' w/100 sx ClG.

10-29-81

Plug 9 - 1900-2100' w/70 sx ClG.

Plug 10- Surface - 200' w/100 sx ClG.

Installed dry hole marker.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charlotte Harper TITLE Accountant DATE December 9, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' of NW/4 976' FWL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒

(other) Corrected Section Number

5. LEASE

U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Mill Creek Federal Unit

8. FARM OR LEASE NAME

Mill Creek Federal Unit

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 26, T3N, R10W

12. COUNTY OR PARISH

Summit

13. STATE

Utah

14. API NO.

43-043-30152

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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Plug 8 - 3900-4200' w/100 sx ClG.

10-29-81

Plug 9 - 1900-2100' w/70 sx ClG.

Plug 10- Surface - 200' w/100 sx ClG.

Installed dry hole marker.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charlotte Harper TITLE Accountant DATE February 3, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 601' of NW/4 976' FWL of Section
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(other) Corrected Section Number

5. LEASE
U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Mill Creek Federal Unit

8. FARM OR LEASE NAME
Mill Creek Federal Unit

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T3N, R10W

12. COUNTY OR PARISH
Summit

13. STATE
Utah

14. API NO.
43-043-30152

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8411' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

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Plug 8 - 3900-4200' w/100 sx C1G.

10-29-81

Plug 9 - 1900-2100' w/70 sx C1G.

Plug 10- Surface - 200' w/100 sx C1G.

Installed dry hole marker.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charlotte Harper TITLE Accountant DATE February 3, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 10, 1982

Exxon Corporation
P. O. Box 1600
Midland, Texas 79702

Re: Well No. Mill Creek Federal Unit
Sec. 26, T. 3N, R. 10E
Summit County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 10, 1982

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

RECEIVED
FEB 22 1982

Exxon Corporation
P. O. Box 1600
Midland, Texas 79702

DIVISION OF
OIL, GAS & MINING

Re: Well No. Mill Creek Federal Unit
Sec. 26, T. 3N, R. 10E
Summit County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

2-17-82

Completion Report submitted 11-15-82. Attached is
a second copy. C.H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-29708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Mill Creek Federal Unit

8. FARM OR LEASE NAME

Mill Creek Federal Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 26, T3N, R10W

12. COUNTY OR PARISH

Summit

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Exxon Corporation Attn: Melba Knipling

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

601' of NW/4 976' FWL of Section

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, AT, CR, etc.)

8411' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Location release
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The location was cleaned up on 7-22-82 and the site was reseeded on 8-15-84 . The site is ready for inspection so that Exxon may be released from the location.

18. I hereby certify that the foregoing is true and correct

SIGNED

Melba Knipling

TITLE

Unit Head

DATE

2-4-85

This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **BOND RELEASE**

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7550

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

601' OF NW/4 976' FWL OF SEC. 26, T3N, R10W E

5. Lease Designation and Serial No.

U-29708

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

MILL CREEK FEDERAL UNIT

8. Well Name and No.

**MILL CREEK FEDERAL UNIT
2**

9. API Well No.

4304330152

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SUMMIT UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

BOND RELEASE

(Note: Report results of multiple completion on Well Completion or
Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

BOND RELEASE

THE SUBJECT LOCATION HAS BEEN RECLAIMED AND IS READY FOR INSPECTION AND BOND RELEASE. PLEASE RELEASE EXXON FROM ANY FURTHER LIABILITY FOR THIS LOCATION AND REMOVE IT FROM THE FEDERAL BOND LISTING.

RECEIVED

JUL 22 1991

**DIVISION OF
OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

Barbara B. Cornell

Title

**Barbara B. Cornell
Sr. Office Assistant**

Date

07/18/91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any: